

## Pantheon Report

Generated at 2017-09-18 05:27:48 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

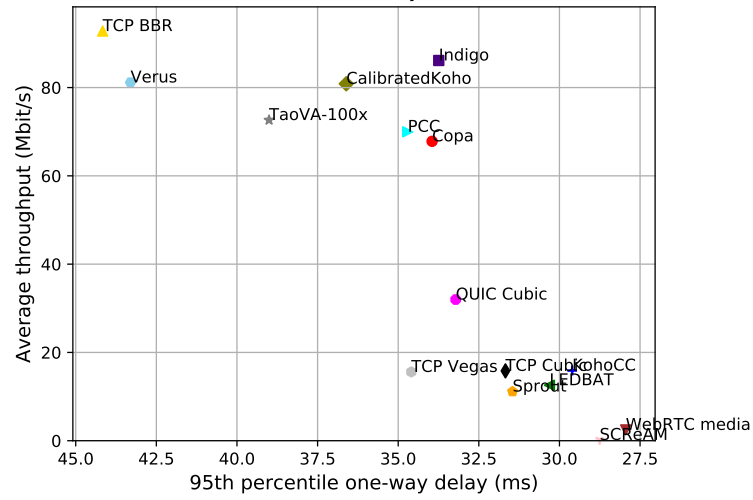
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

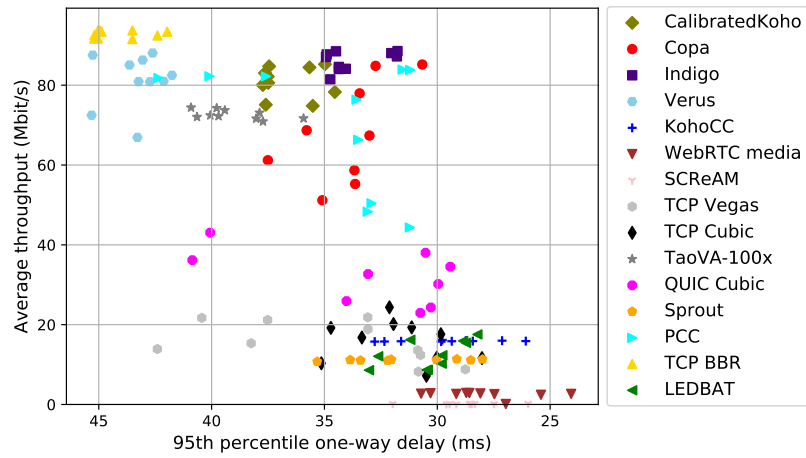
Git summary:

```
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	92.80	44.16	0.72
CalibratedKoho	10	80.86	36.61	0.60
Copa	9	67.82	33.95	0.63
TCP Cubic	10	15.82	31.67	0.45
Indigo	10	86.13	33.74	0.60
KohoCC	10	15.89	29.61	0.44
LEDBAT	10	12.57	30.31	0.52
PCC	10	69.97	34.71	0.73
QUIC Cubic	9	31.98	33.22	0.51
SCReAM	10	0.19	28.76	0.41
Sprout	10	11.14	31.46	0.52
TaoVA-100x	10	72.65	39.00	0.74
TCP Vegas	10	15.58	34.59	0.43
Verus	10	81.16	43.30	0.76
WebRTC media	10	2.45	27.95	0.82

Run 1: Statistics of TCP BBR

Start at: 2017-09-17 22:30:58

End at: 2017-09-17 22:31:28

Local clock offset: -5.545 ms

Remote clock offset: -2.341 ms

# Below is generated by plot.py at 2017-09-18 05:14:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 45.184 ms

Loss rate: 0.69%

-- Flow 1:

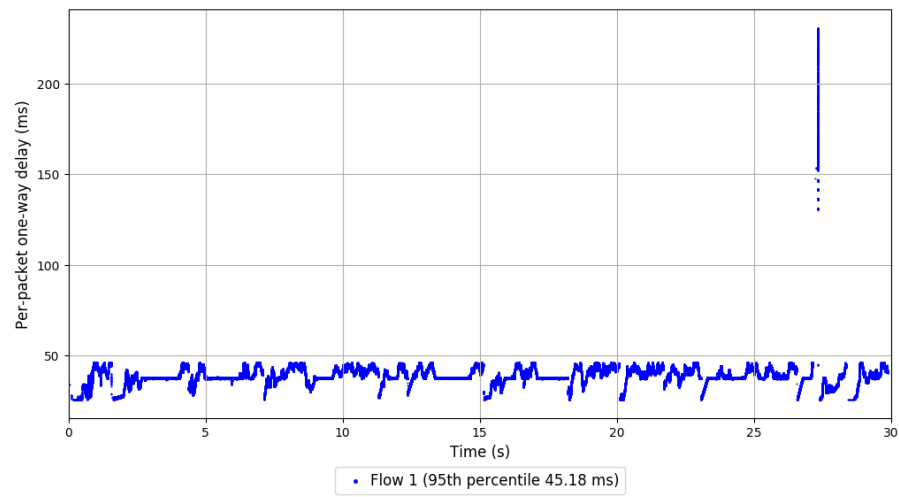
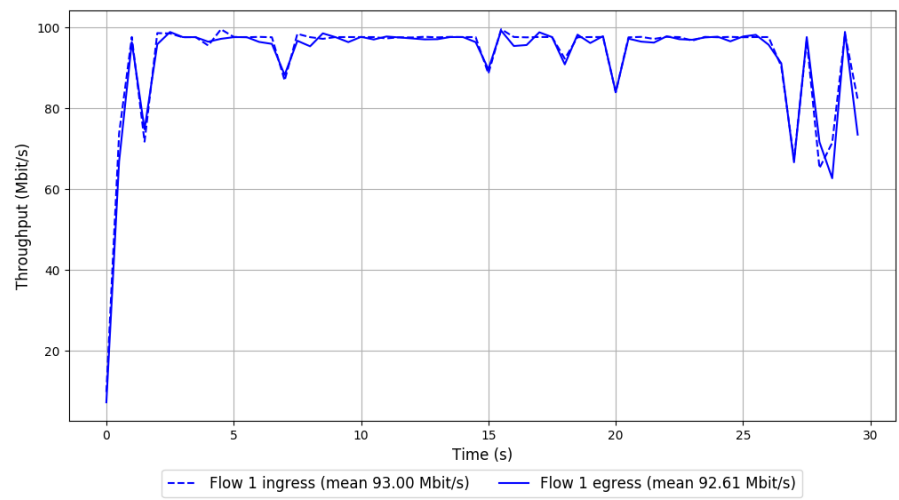
Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 45.184 ms

Loss rate: 0.69%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-09-17 22:51:47

End at: 2017-09-17 22:52:17

Local clock offset: -5.997 ms

Remote clock offset: -1.72 ms

# Below is generated by plot.py at 2017-09-18 05:14:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 45.036 ms

Loss rate: 0.78%

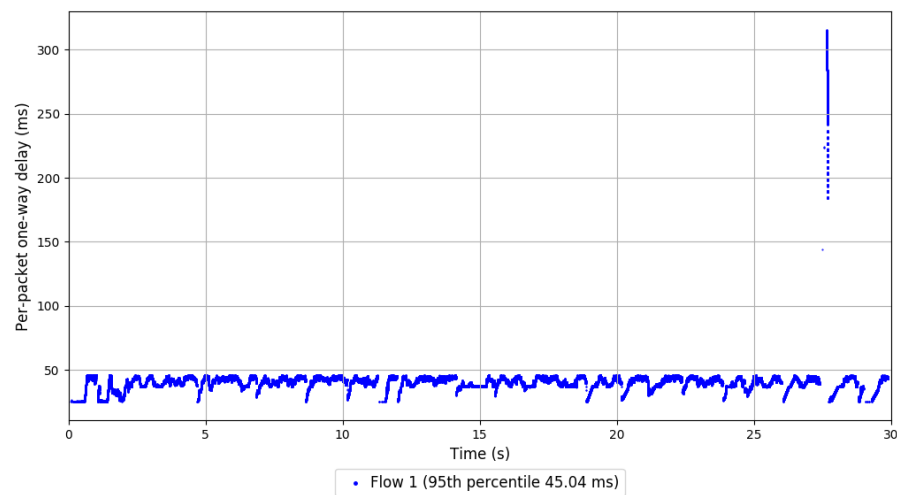
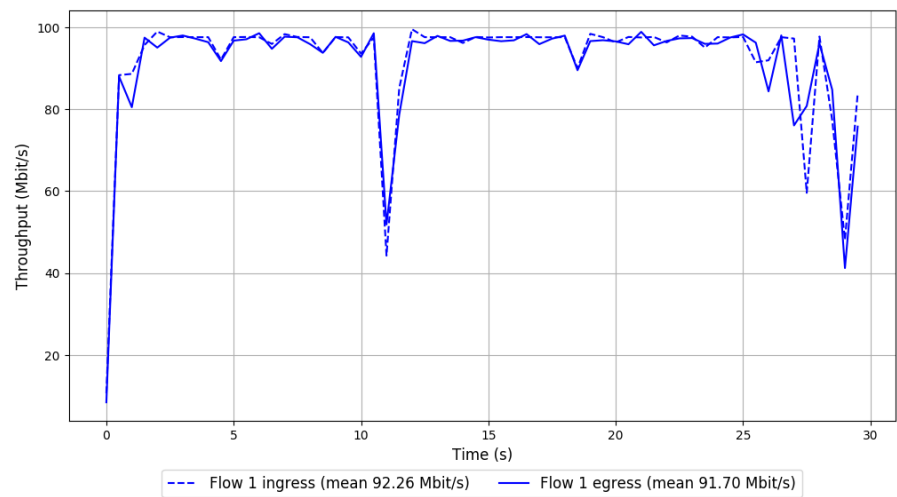
-- Flow 1:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 45.036 ms

Loss rate: 0.78%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-09-17 23:12:05

End at: 2017-09-17 23:12:35

Local clock offset: 0.286 ms

Remote clock offset: -1.44 ms

# Below is generated by plot.py at 2017-09-18 05:14:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 45.201 ms

Loss rate: 0.76%

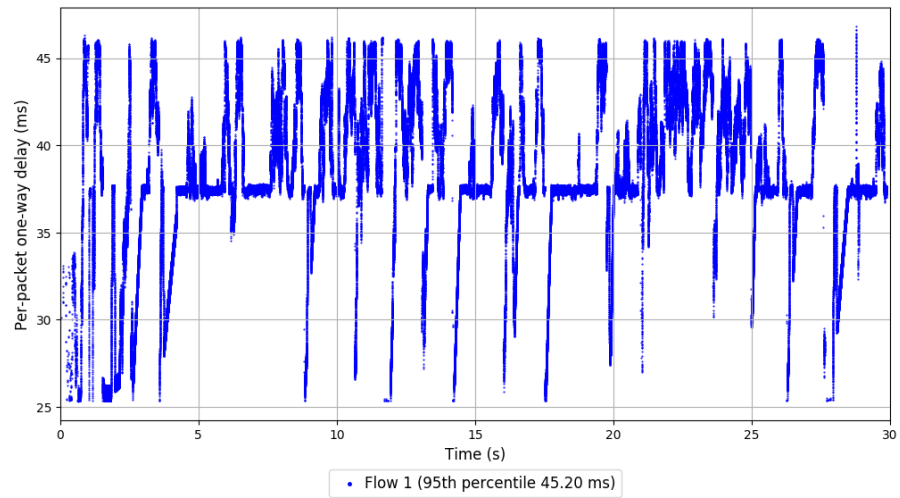
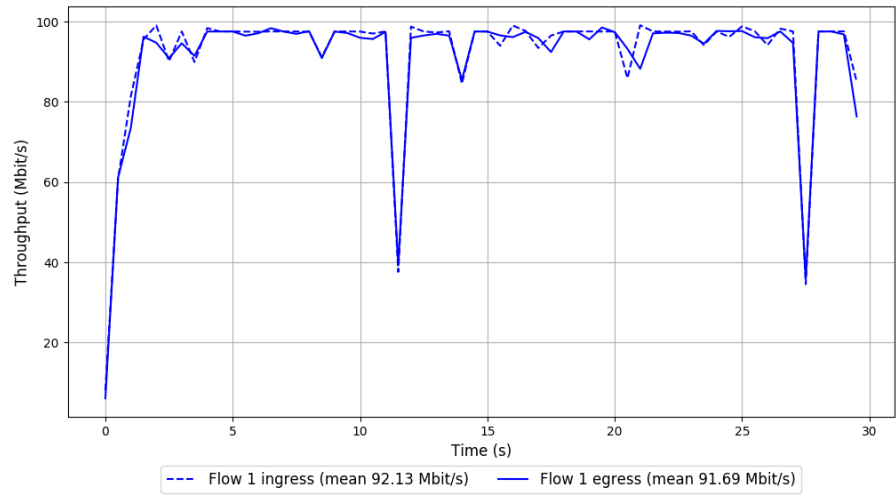
-- Flow 1:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 45.201 ms

Loss rate: 0.76%

### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-17 23:32:55

End at: 2017-09-17 23:33:25

Local clock offset: 0.706 ms

Remote clock offset: -1.42 ms

# Below is generated by plot.py at 2017-09-18 05:14:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 45.030 ms

Loss rate: 0.63%

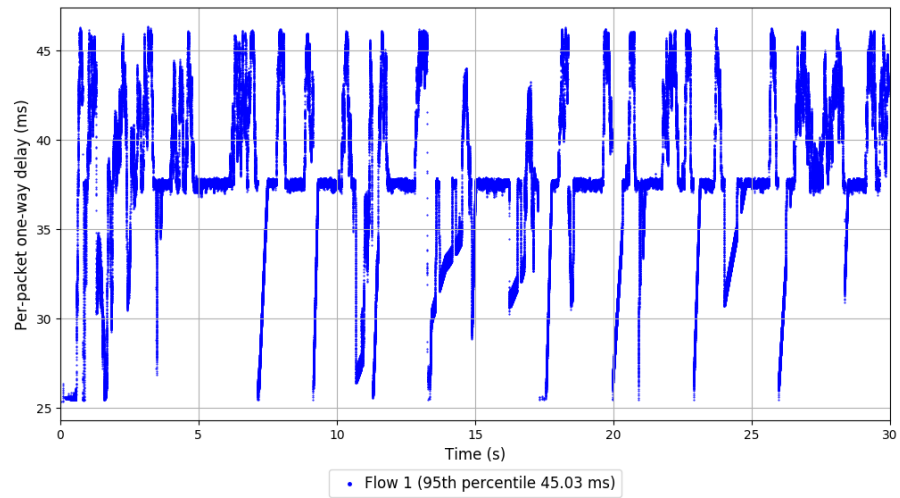
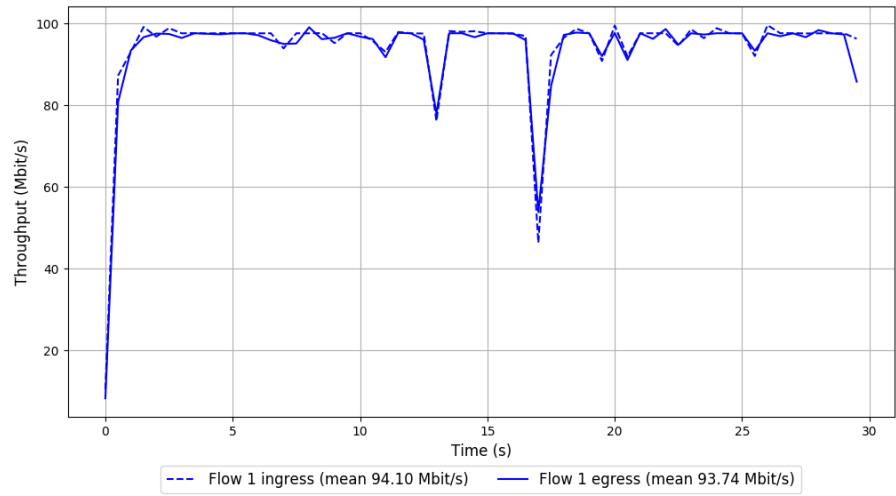
-- Flow 1:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 45.030 ms

Loss rate: 0.63%

#### Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-17 23:53:37

End at: 2017-09-17 23:54:07

Local clock offset: 0.691 ms

Remote clock offset: 1.14 ms

# Below is generated by plot.py at 2017-09-18 05:14:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 41.965 ms

Loss rate: 0.64%

-- Flow 1:

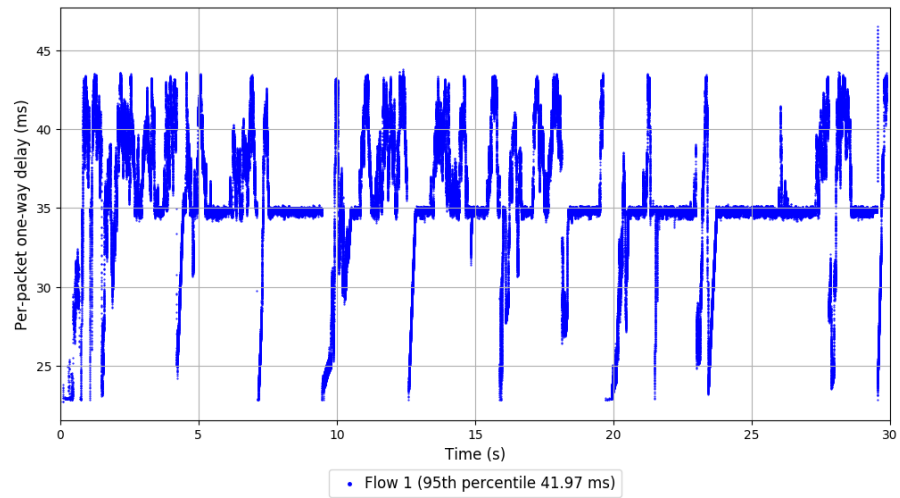
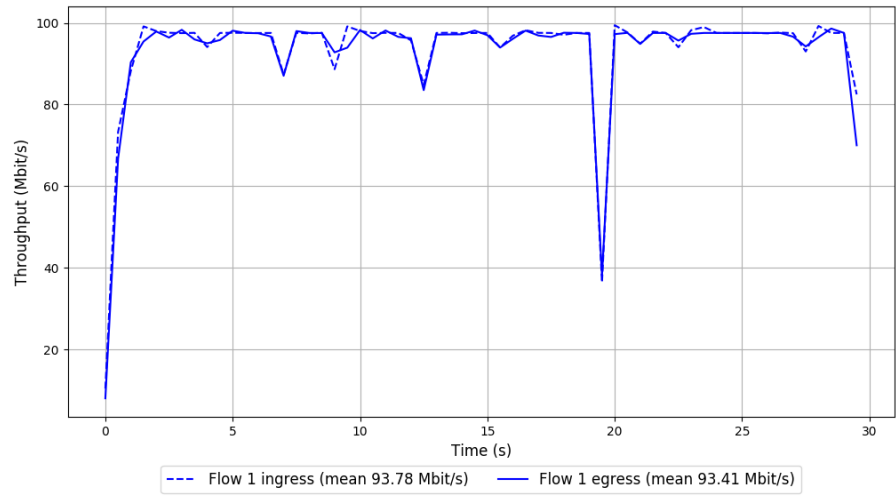
Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 41.965 ms

Loss rate: 0.64%



### Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-18 00:13:57

End at: 2017-09-18 00:14:27

Local clock offset: 0.372 ms

Remote clock offset: 0.834 ms

# Below is generated by plot.py at 2017-09-18 05:14:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.45 Mbit/s

95th percentile per-packet one-way delay: 42.398 ms

Loss rate: 0.62%

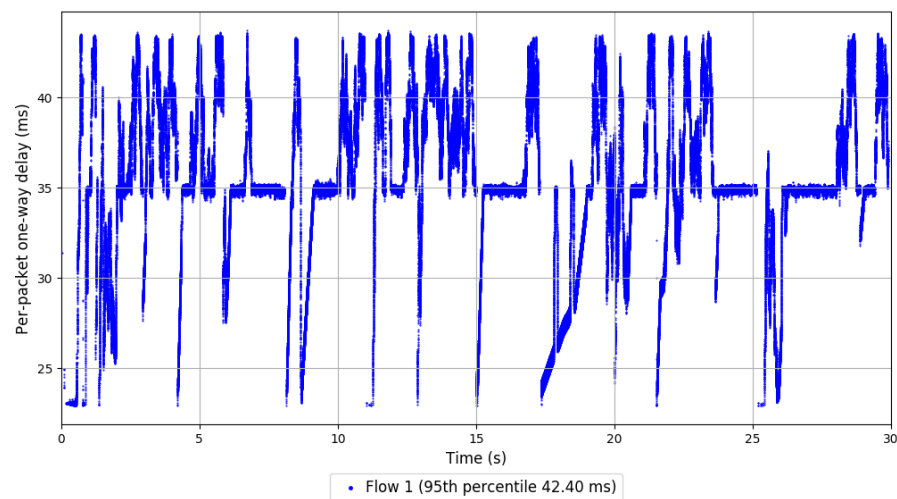
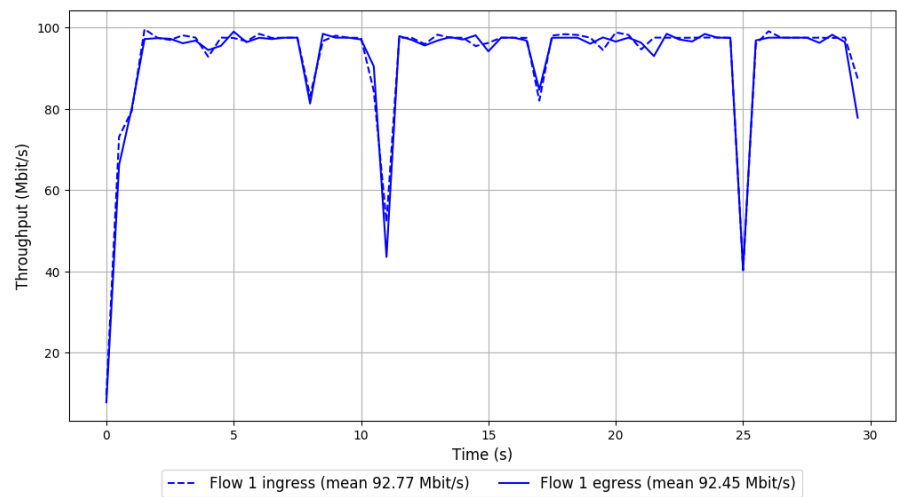
-- Flow 1:

Average throughput: 92.45 Mbit/s

95th percentile per-packet one-way delay: 42.398 ms

Loss rate: 0.62%

Run 6: Report of TCP BBR — Data Link

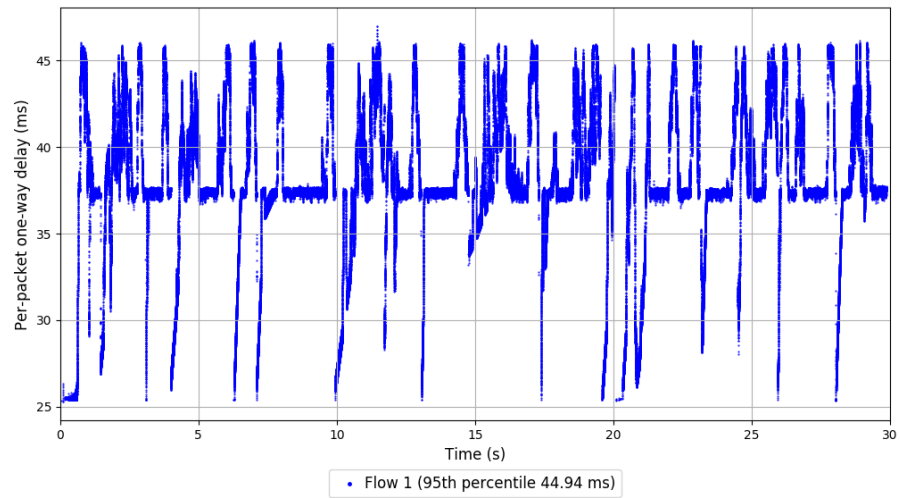
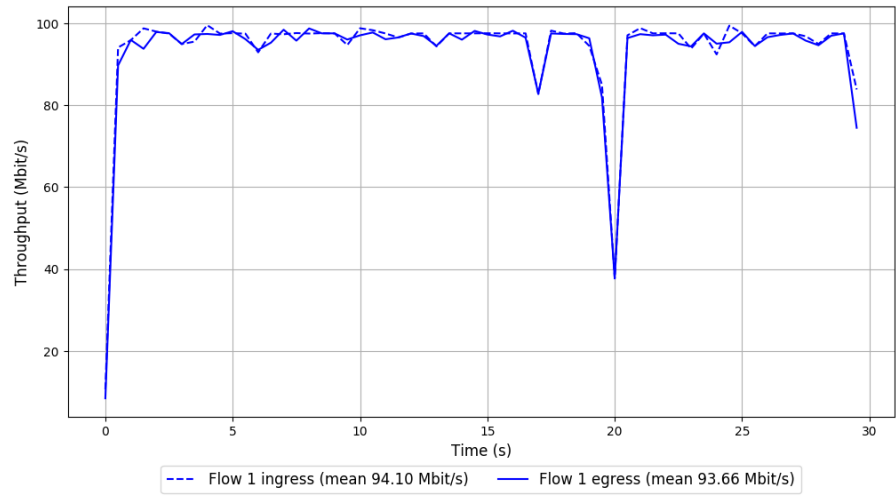


Run 7: Statistics of TCP BBR

Start at: 2017-09-18 00:34:17  
End at: 2017-09-18 00:34:47  
Local clock offset: 0.589 ms  
Remote clock offset: -1.971 ms

# Below is generated by plot.py at 2017-09-18 05:14:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.66 Mbit/s  
95th percentile per-packet one-way delay: 44.941 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 93.66 Mbit/s  
95th percentile per-packet one-way delay: 44.941 ms  
Loss rate: 0.71%

### Run 7: Report of TCP BBR — Data Link

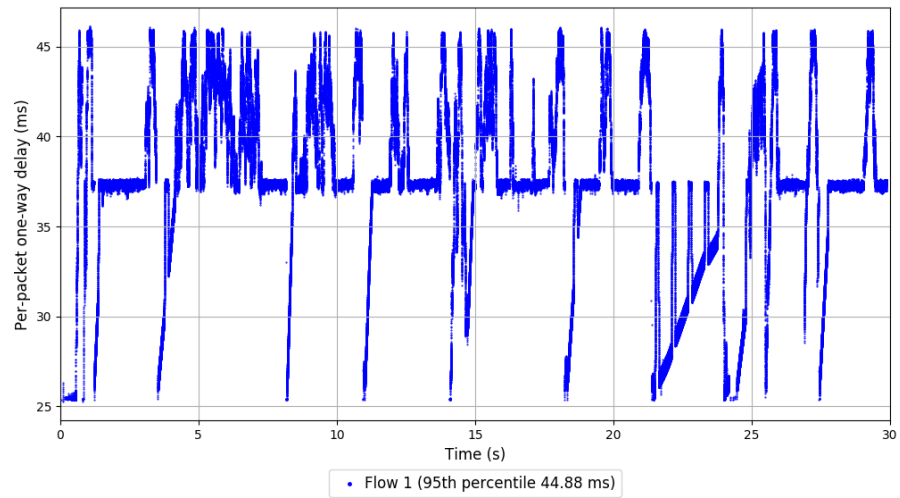
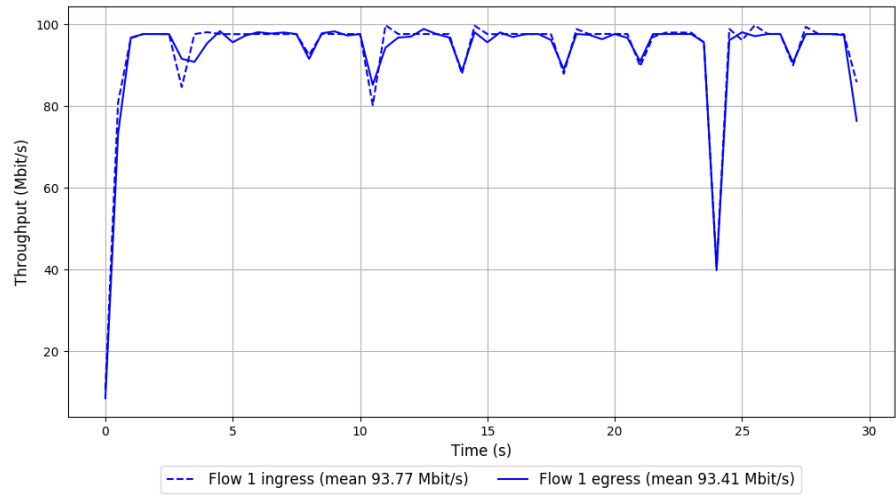


Run 8: Statistics of TCP BBR

Start at: 2017-09-18 00:54:40  
End at: 2017-09-18 00:55:10  
Local clock offset: 0.761 ms  
Remote clock offset: -2.164 ms

# Below is generated by plot.py at 2017-09-18 05:14:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.41 Mbit/s  
95th percentile per-packet one-way delay: 44.876 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 93.41 Mbit/s  
95th percentile per-packet one-way delay: 44.876 ms  
Loss rate: 0.65%

## Run 8: Report of TCP BBR — Data Link



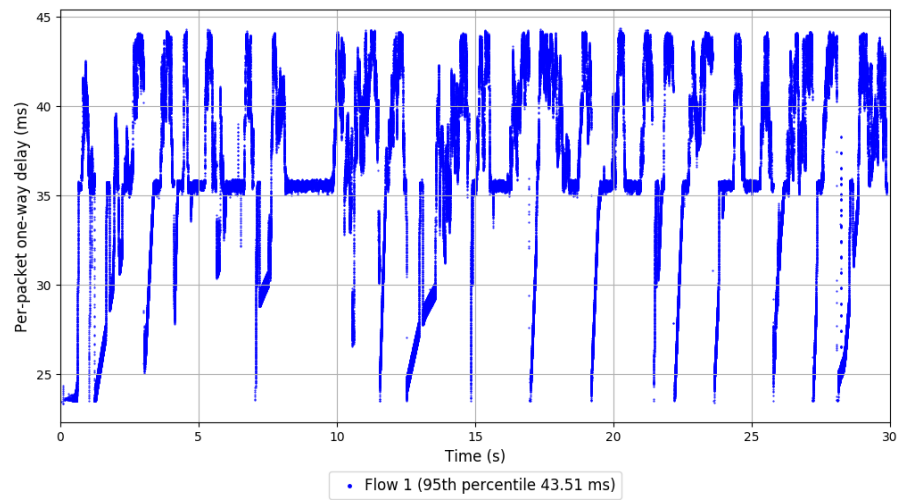
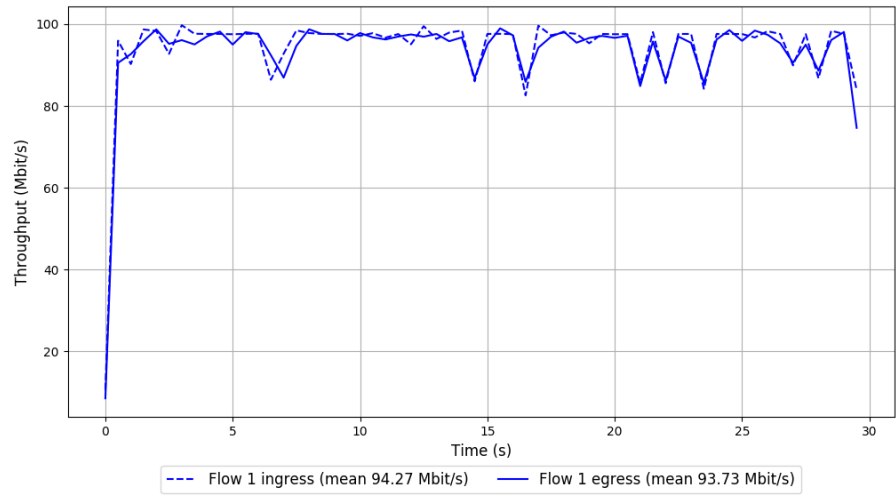
Run 9: Statistics of TCP BBR

Start at: 2017-09-18 01:15:30  
End at: 2017-09-18 01:16:00  
Local clock offset: 0.74 ms  
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2017-09-18 05:16:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.73 Mbit/s  
95th percentile per-packet one-way delay: 43.508 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 93.73 Mbit/s  
95th percentile per-packet one-way delay: 43.508 ms  
Loss rate: 0.81%



### Run 9: Report of TCP BBR — Data Link

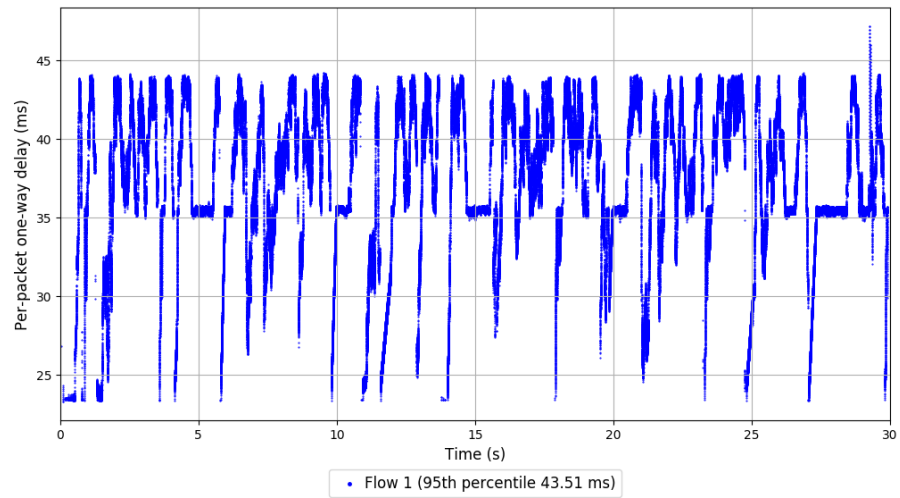
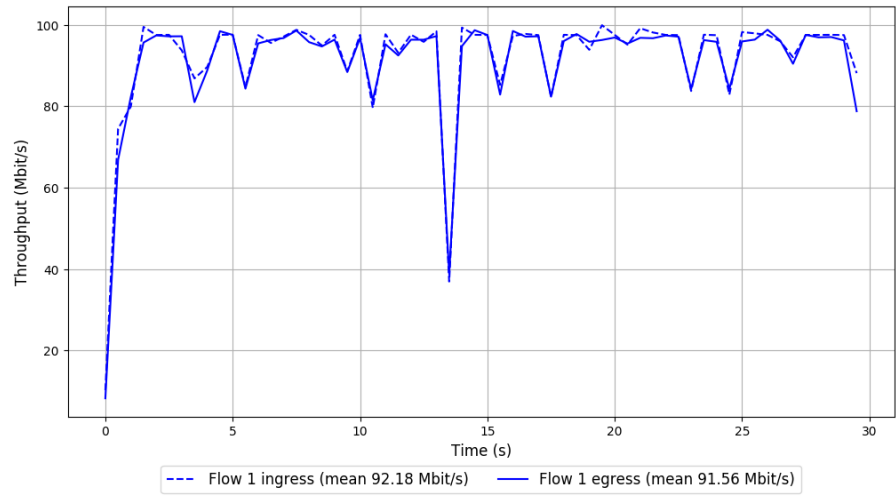


Run 10: Statistics of TCP BBR

Start at: 2017-09-18 01:35:43  
End at: 2017-09-18 01:36:14  
Local clock offset: 0.341 ms  
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2017-09-18 05:16:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.56 Mbit/s  
95th percentile per-packet one-way delay: 43.510 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 91.56 Mbit/s  
95th percentile per-packet one-way delay: 43.510 ms  
Loss rate: 0.93%

# Run 10: Report of TCP BBR — Data Link

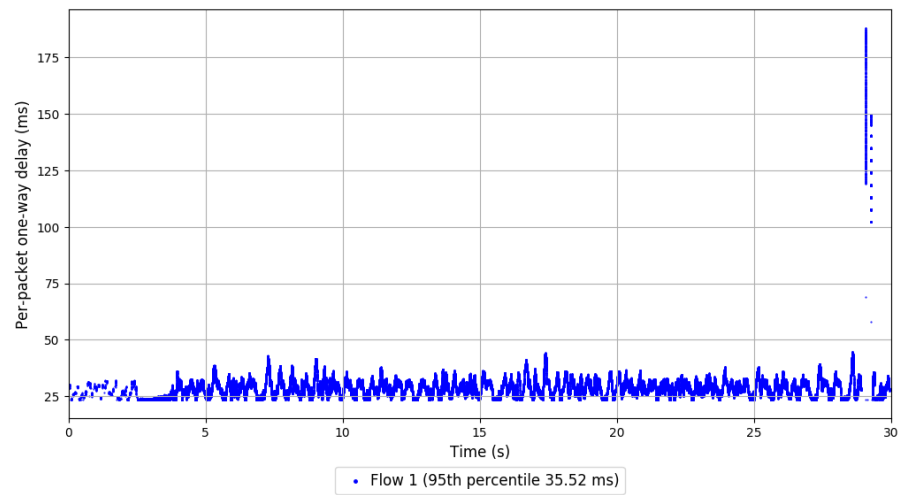
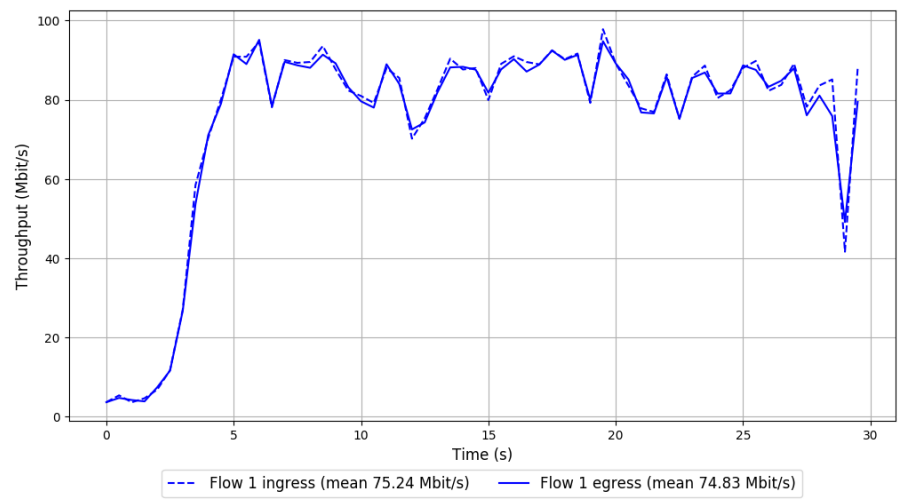


Run 1: Statistics of CalibratedKoho

Start at: 2017-09-17 22:11:26  
End at: 2017-09-17 22:11:56  
Local clock offset: -5.566 ms  
Remote clock offset: -0.721 ms

# Below is generated by plot.py at 2017-09-18 05:16:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.83 Mbit/s  
95th percentile per-packet one-way delay: 35.517 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 74.83 Mbit/s  
95th percentile per-packet one-way delay: 35.517 ms  
Loss rate: 0.81%

Run 1: Report of CalibratedKoho — Data Link

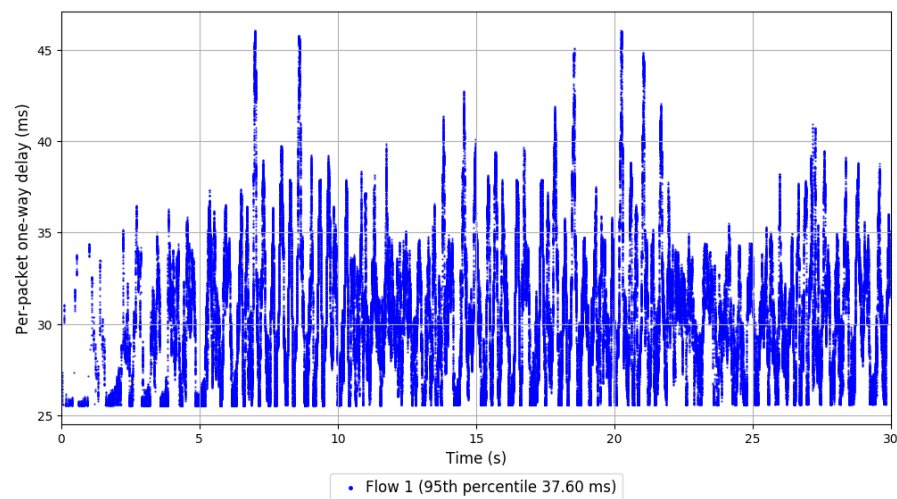
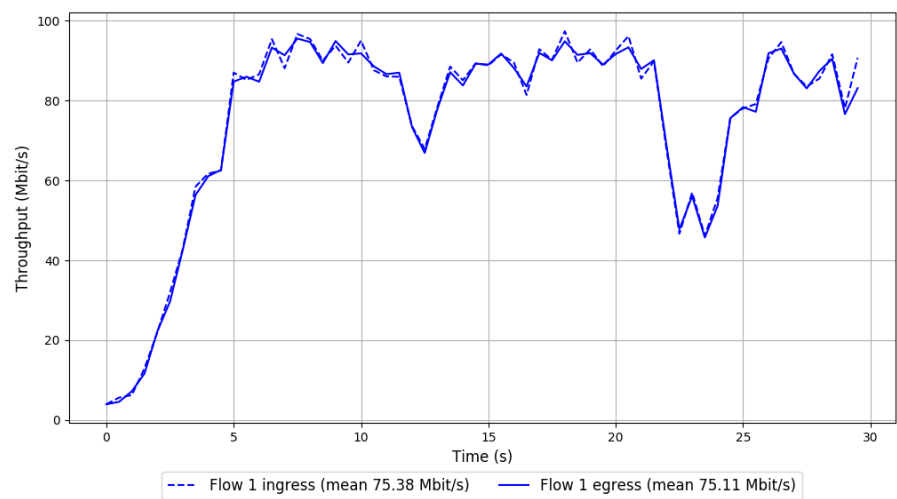


Run 2: Statistics of CalibratedKoho

Start at: 2017-09-17 22:32:26  
End at: 2017-09-17 22:32:56  
Local clock offset: -5.595 ms  
Remote clock offset: -2.295 ms

# Below is generated by plot.py at 2017-09-18 05:16:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.11 Mbit/s  
95th percentile per-packet one-way delay: 37.598 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 75.11 Mbit/s  
95th percentile per-packet one-way delay: 37.598 ms  
Loss rate: 0.60%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: 2017-09-17 22:53:19

End at: 2017-09-17 22:53:49

Local clock offset: -5.265 ms

Remote clock offset: 0.818 ms

# Below is generated by plot.py at 2017-09-18 05:16:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.30 Mbit/s

95th percentile per-packet one-way delay: 34.538 ms

Loss rate: 0.58%

-- Flow 1:

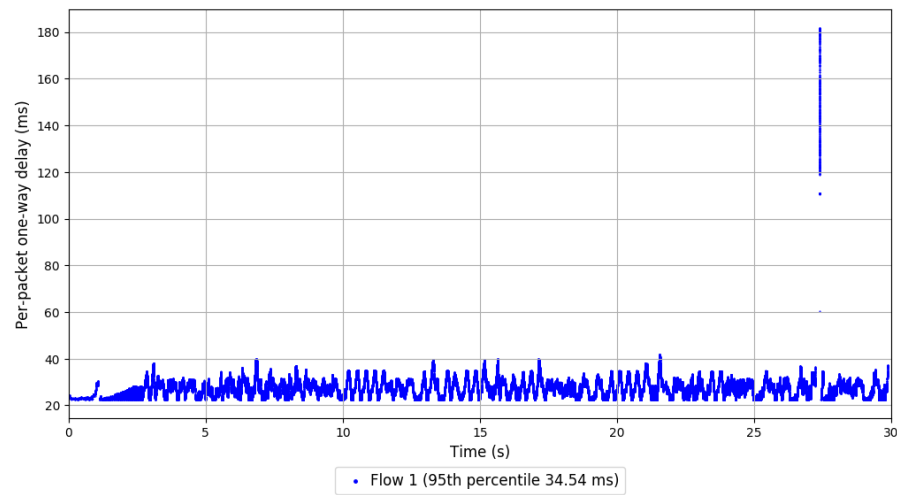
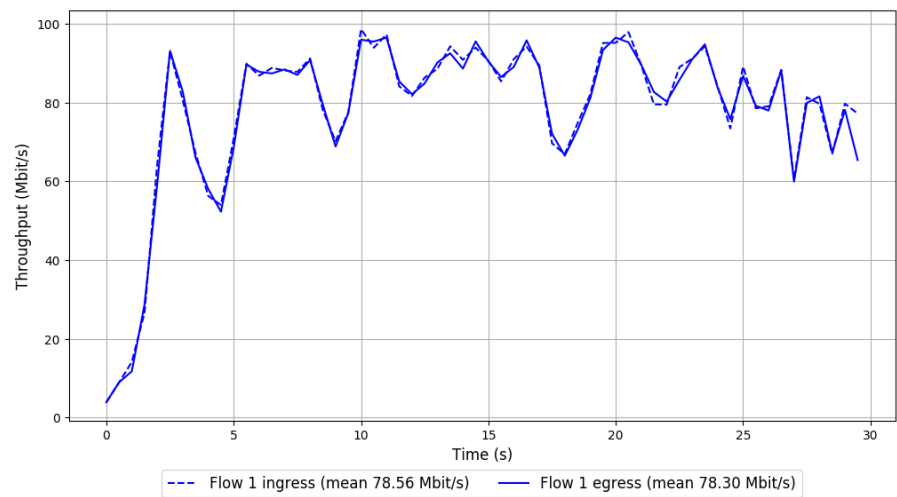
Average throughput: 78.30 Mbit/s

95th percentile per-packet one-way delay: 34.538 ms

Loss rate: 0.58%



Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: 2017-09-17 23:13:33

End at: 2017-09-17 23:14:04

Local clock offset: 0.232 ms

Remote clock offset: 1.047 ms

# Below is generated by plot.py at 2017-09-18 05:16:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 34.976 ms

Loss rate: 0.57%

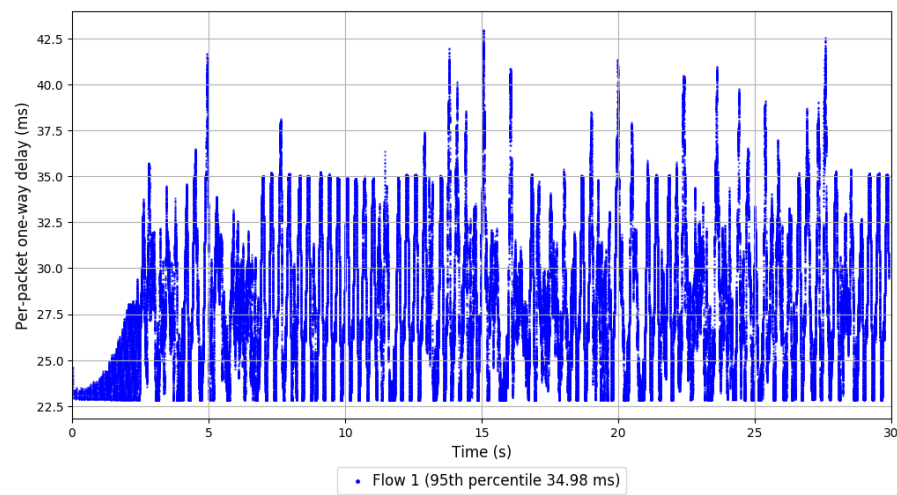
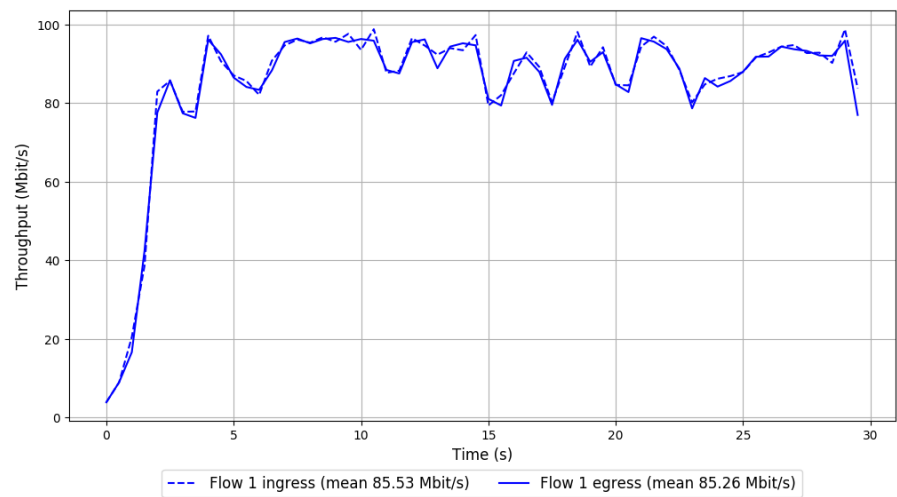
-- Flow 1:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 34.976 ms

Loss rate: 0.57%

Run 4: Report of CalibratedKoho — Data Link

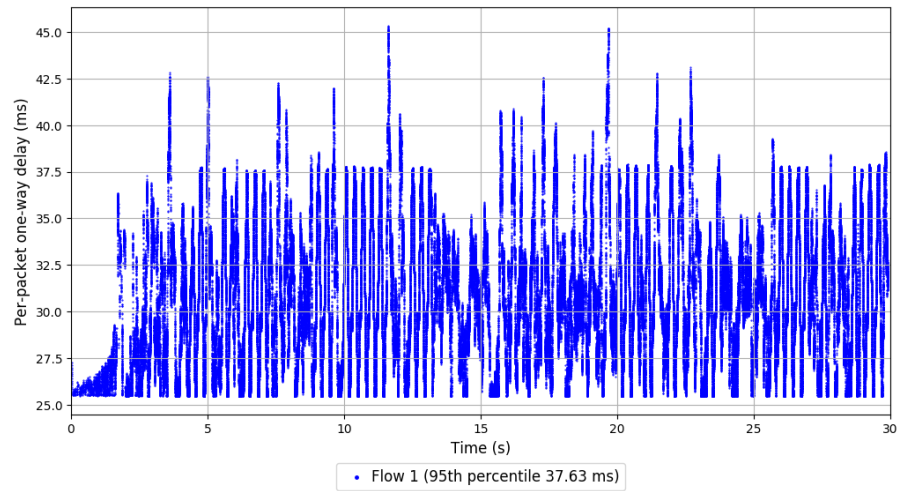
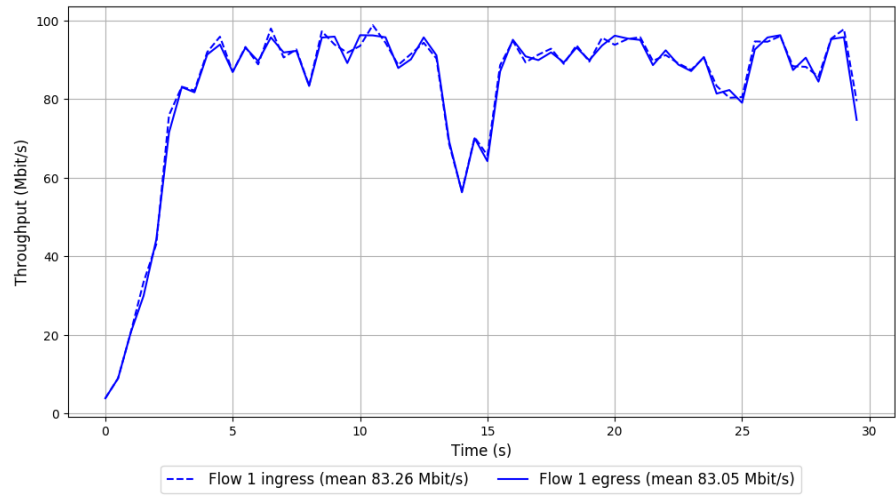


Run 5: Statistics of CalibratedKoho

Start at: 2017-09-17 23:34:24  
End at: 2017-09-17 23:34:54  
Local clock offset: 0.664 ms  
Remote clock offset: -1.453 ms

# Below is generated by plot.py at 2017-09-18 05:16:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.05 Mbit/s  
95th percentile per-packet one-way delay: 37.633 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 83.05 Mbit/s  
95th percentile per-packet one-way delay: 37.633 ms  
Loss rate: 0.49%

### Run 5: Report of CalibratedKoho — Data Link

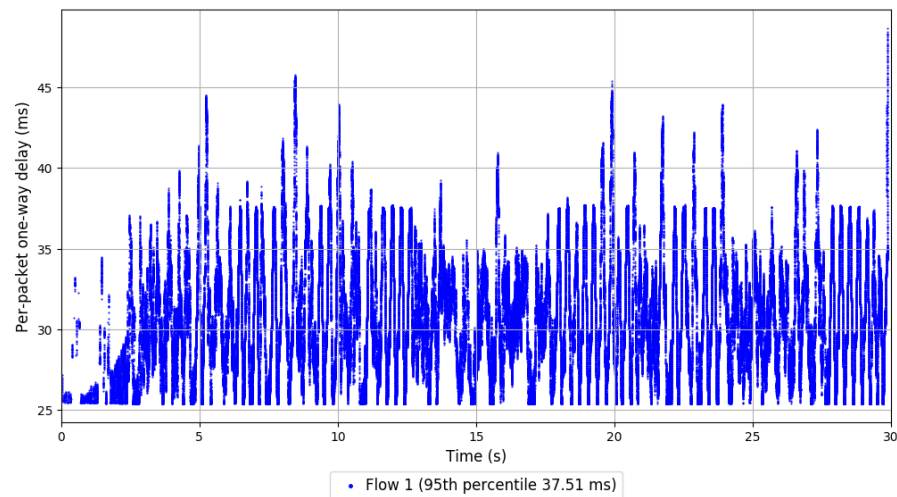
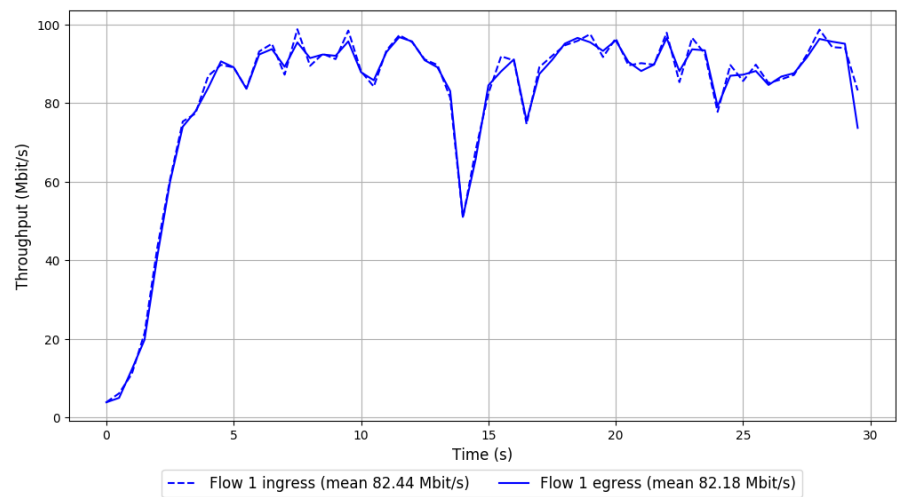


Run 6: Statistics of CalibratedKoho

Start at: 2017-09-17 23:55:04  
End at: 2017-09-17 23:55:34  
Local clock offset: 0.569 ms  
Remote clock offset: -1.494 ms

# Below is generated by plot.py at 2017-09-18 05:16:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.18 Mbit/s  
95th percentile per-packet one-way delay: 37.510 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 82.18 Mbit/s  
95th percentile per-packet one-way delay: 37.510 ms  
Loss rate: 0.56%

Run 6: Report of CalibratedKoho — Data Link



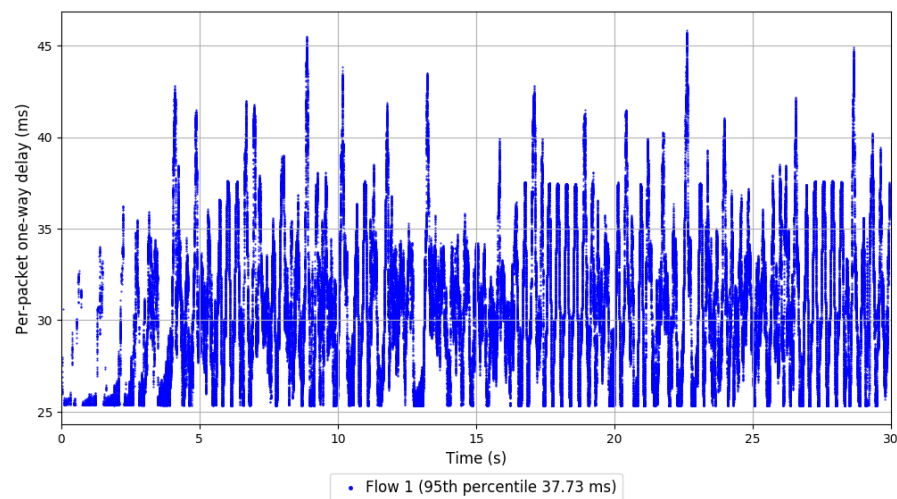
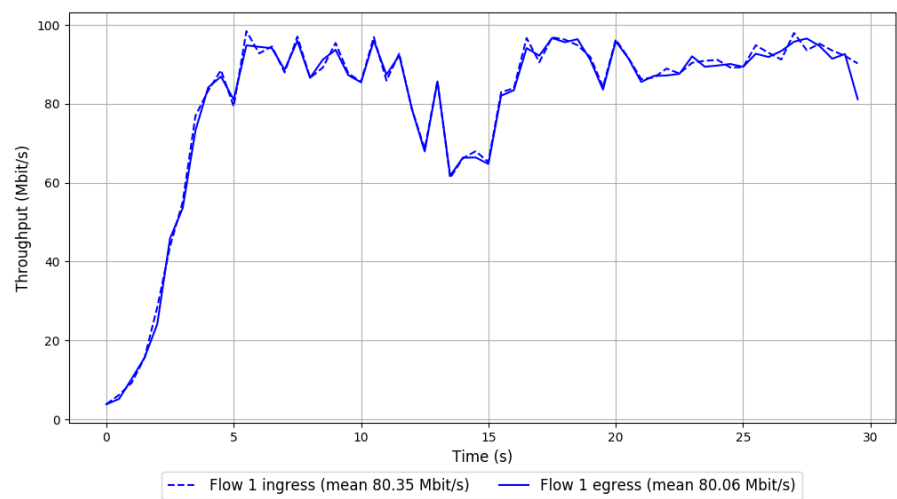
Run 7: Statistics of CalibratedKoho

Start at: 2017-09-18 00:15:25  
End at: 2017-09-18 00:15:56  
Local clock offset: 0.421 ms  
Remote clock offset: -1.639 ms

# Below is generated by plot.py at 2017-09-18 05:16:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.06 Mbit/s  
95th percentile per-packet one-way delay: 37.731 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 80.06 Mbit/s  
95th percentile per-packet one-way delay: 37.731 ms  
Loss rate: 0.61%



Run 7: Report of CalibratedKoho — Data Link

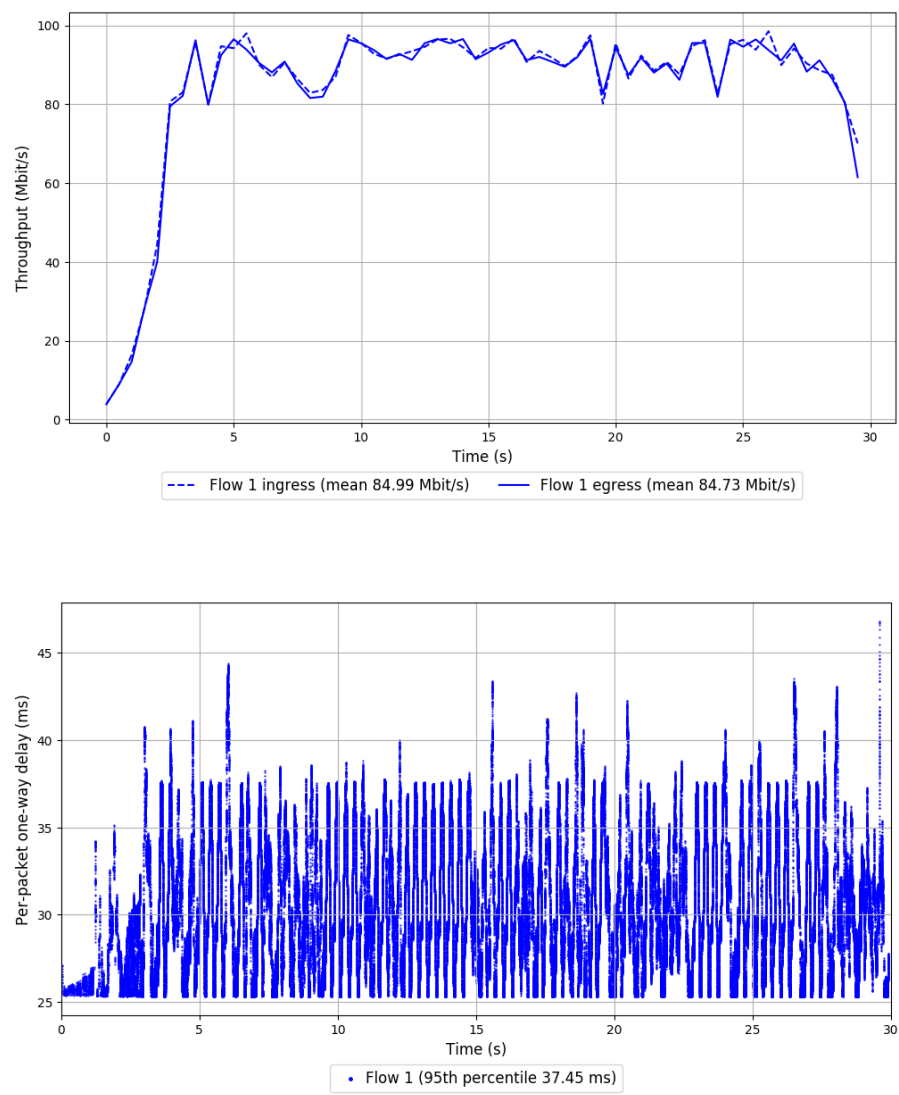


Run 8: Statistics of CalibratedKoho

Start at: 2017-09-18 00:35:40  
End at: 2017-09-18 00:36:11  
Local clock offset: 0.615 ms  
Remote clock offset: -1.976 ms

# Below is generated by plot.py at 2017-09-18 05:16:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.73 Mbit/s  
95th percentile per-packet one-way delay: 37.451 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 84.73 Mbit/s  
95th percentile per-packet one-way delay: 37.451 ms  
Loss rate: 0.55%

Run 8: Report of CalibratedKoho — Data Link

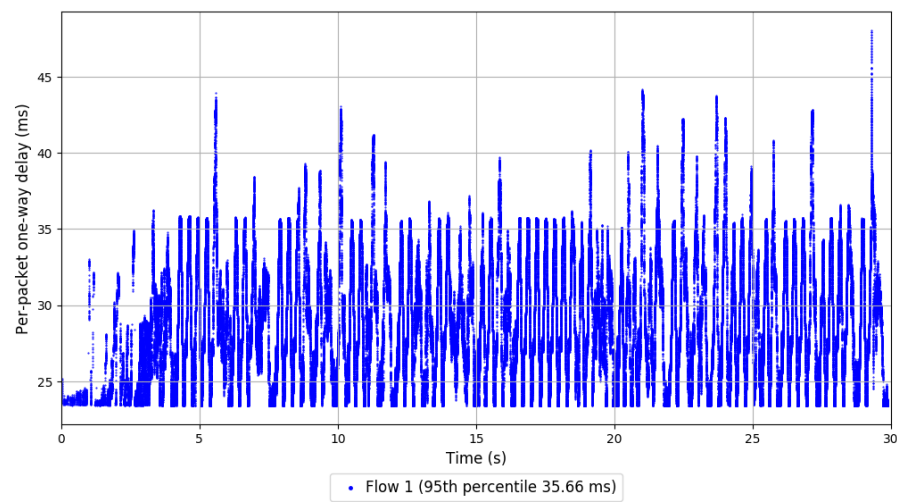
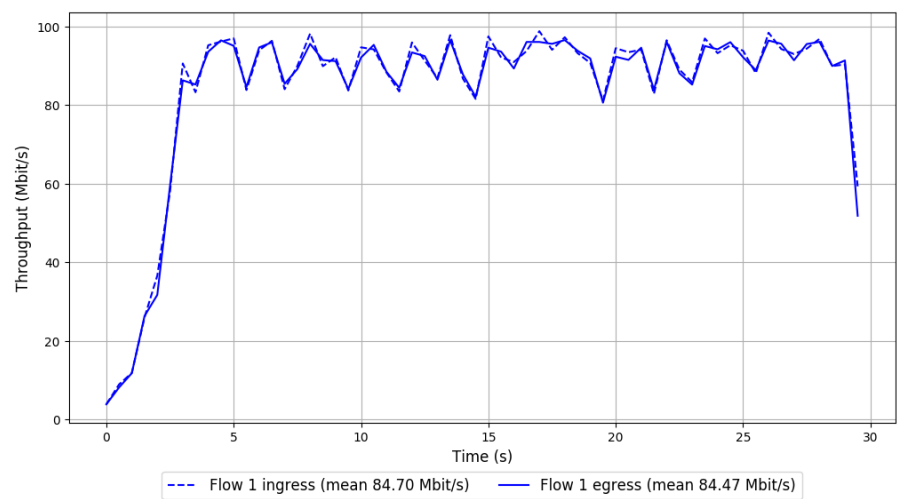


Run 9: Statistics of CalibratedKoho

Start at: 2017-09-18 00:56:04  
End at: 2017-09-18 00:56:34  
Local clock offset: 0.765 ms  
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2017-09-18 05:17:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.47 Mbit/s  
95th percentile per-packet one-way delay: 35.662 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 84.47 Mbit/s  
95th percentile per-packet one-way delay: 35.662 ms  
Loss rate: 0.52%

Run 9: Report of CalibratedKoho — Data Link

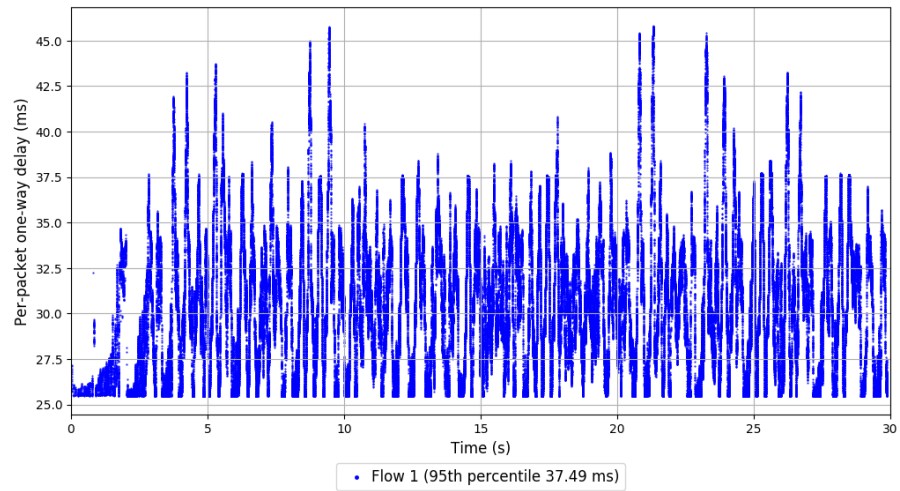
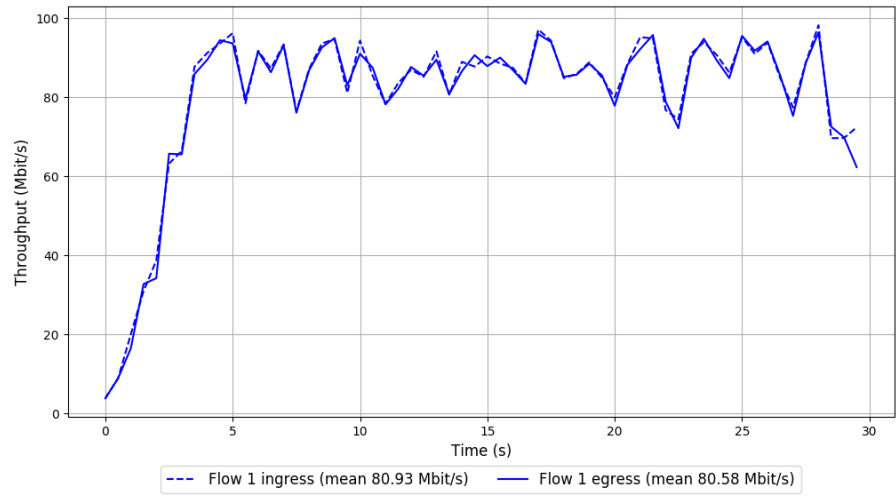


Run 10: Statistics of CalibratedKoho

Start at: 2017-09-18 01:16:54  
End at: 2017-09-18 01:17:24  
Local clock offset: 0.623 ms  
Remote clock offset: -2.258 ms

# Below is generated by plot.py at 2017-09-18 05:17:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.58 Mbit/s  
95th percentile per-packet one-way delay: 37.491 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 80.58 Mbit/s  
95th percentile per-packet one-way delay: 37.491 ms  
Loss rate: 0.67%

# Run 10: Report of CalibratedKoho — Data Link



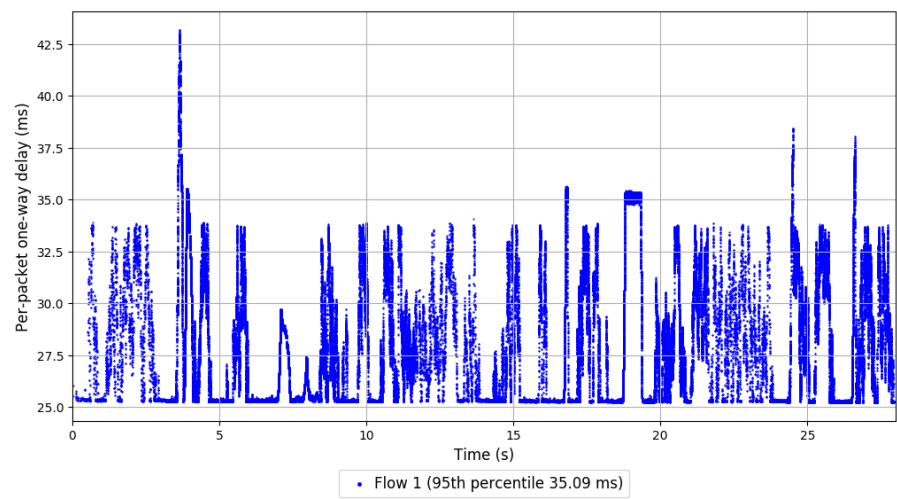
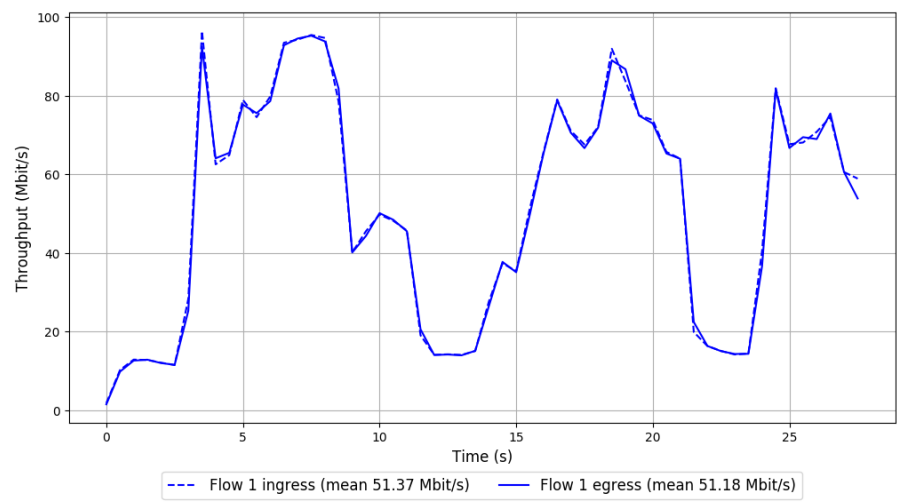
Run 1: Statistics of Copa

Start at: 2017-09-17 22:17:24  
End at: 2017-09-17 22:17:54  
Local clock offset: -5.569 ms  
Remote clock offset: -2.665 ms

# Below is generated by plot.py at 2017-09-18 05:17:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 51.18 Mbit/s  
95th percentile per-packet one-way delay: 35.091 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 51.18 Mbit/s  
95th percentile per-packet one-way delay: 35.091 ms  
Loss rate: 0.63%



Run 1: Report of Copa — Data Link

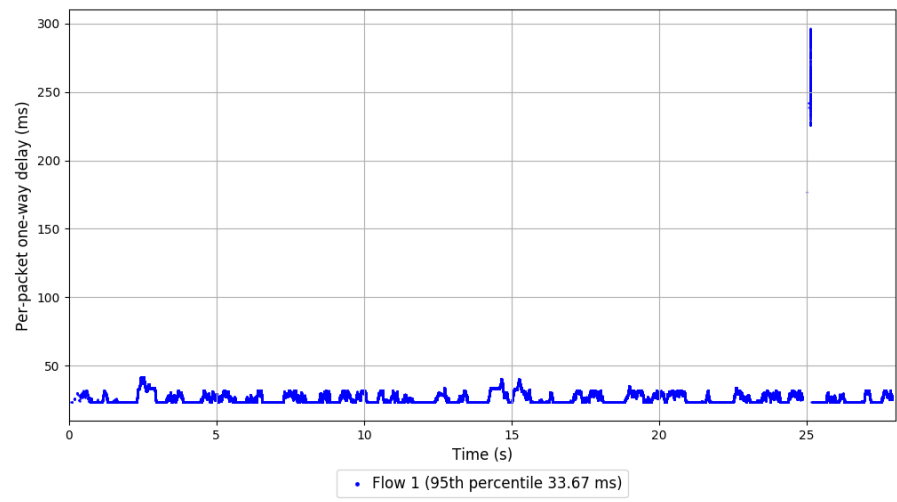
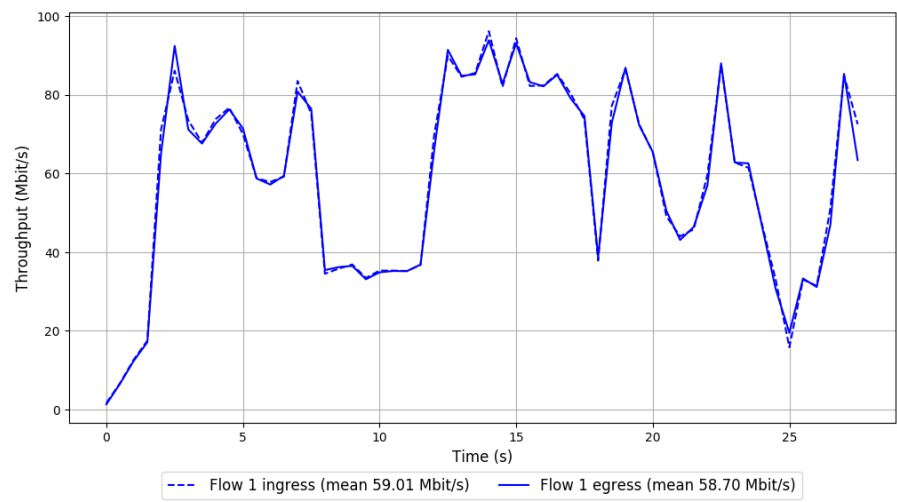


Run 2: Statistics of Copa

Start at: 2017-09-17 22:38:05  
End at: 2017-09-17 22:38:35  
Local clock offset: -6.893 ms  
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2017-09-18 05:17:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.70 Mbit/s  
95th percentile per-packet one-way delay: 33.671 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 58.70 Mbit/s  
95th percentile per-packet one-way delay: 33.671 ms  
Loss rate: 0.79%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

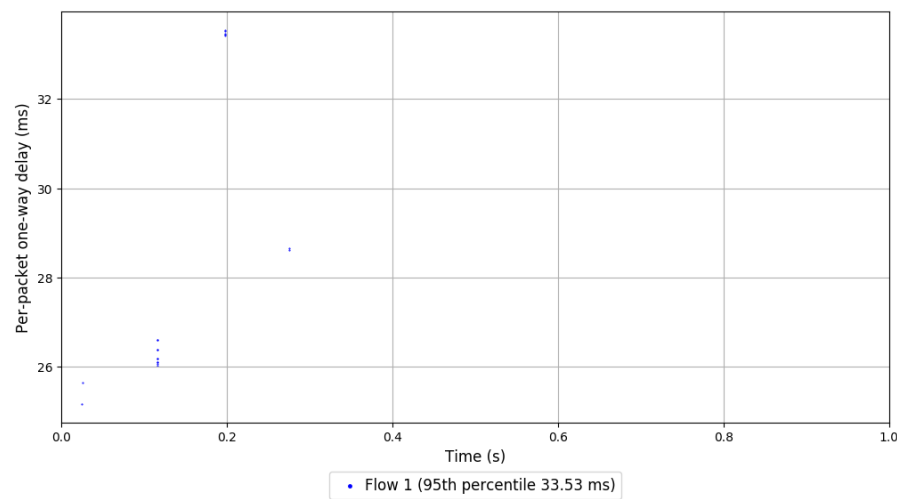
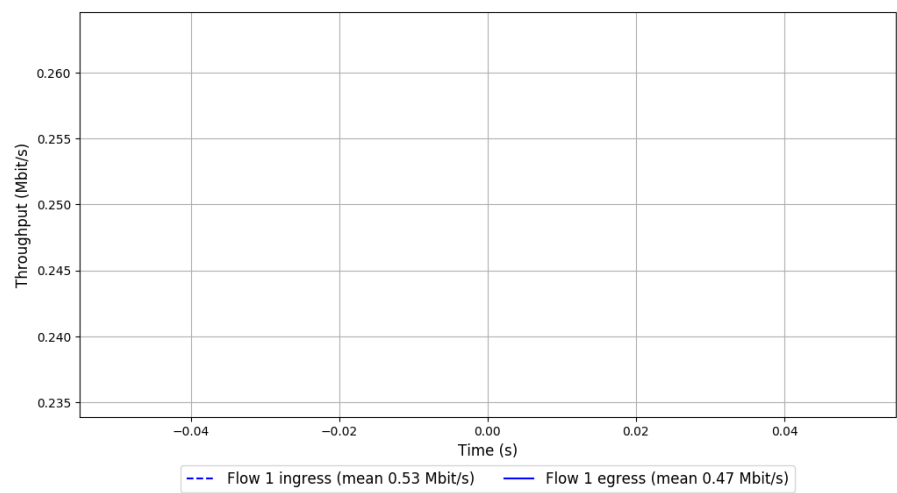
Start at: 2017-09-17 22:58:50

End at: 2017-09-17 22:59:20

Local clock offset: -2.492 ms

Remote clock offset: -1.642 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-09-17 23:19:24

End at: 2017-09-17 23:19:54

Local clock offset: 0.143 ms

Remote clock offset: 0.488 ms

# Below is generated by plot.py at 2017-09-18 05:17:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.71 Mbit/s

95th percentile per-packet one-way delay: 35.788 ms

Loss rate: 0.84%

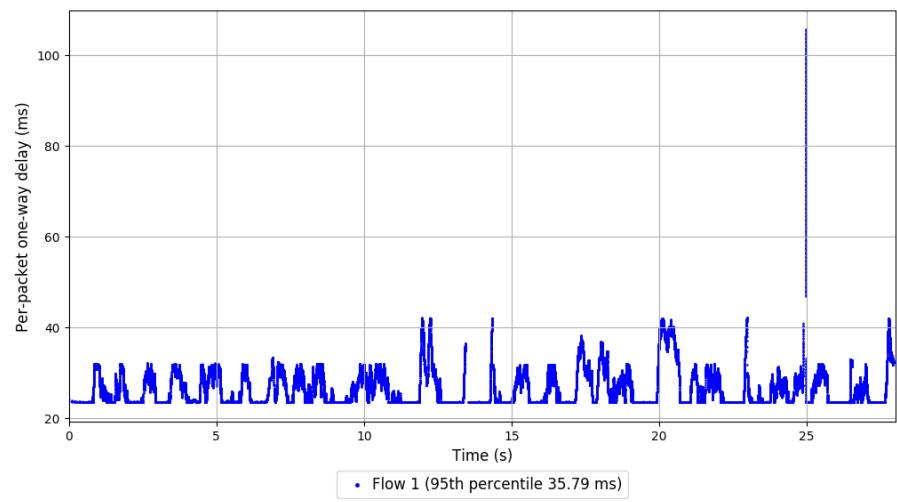
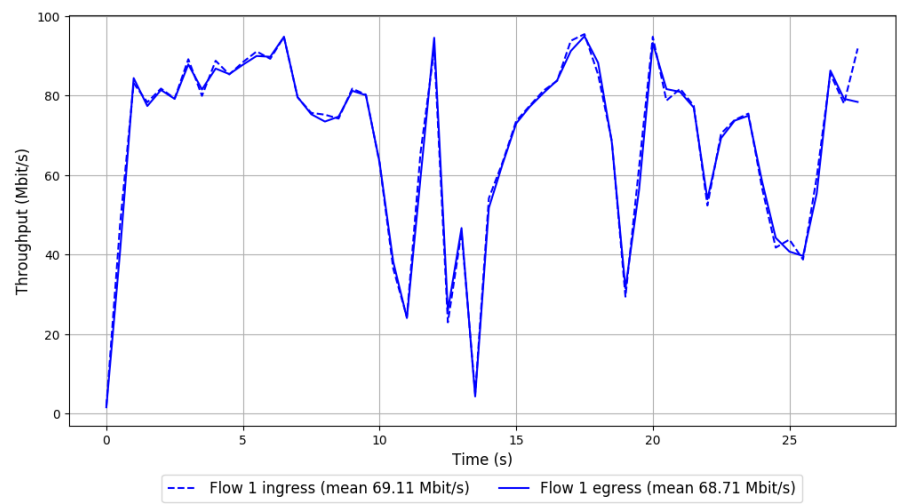
-- Flow 1:

Average throughput: 68.71 Mbit/s

95th percentile per-packet one-way delay: 35.788 ms

Loss rate: 0.84%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-09-17 23:40:09

End at: 2017-09-17 23:40:39

Local clock offset: 0.642 ms

Remote clock offset: 1.116 ms

# Below is generated by plot.py at 2017-09-18 05:17:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 37.506 ms

Loss rate: 0.74%

-- Flow 1:

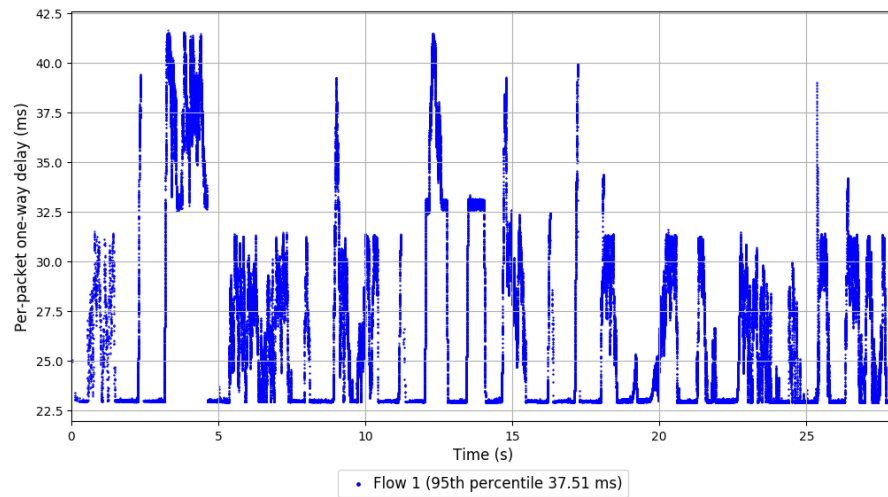
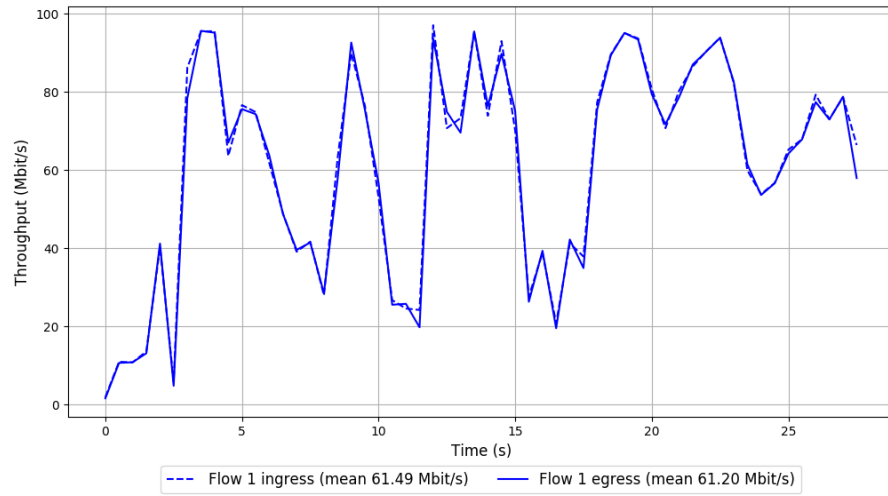
Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 37.506 ms

Loss rate: 0.74%



### Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-09-18 00:00:40

End at: 2017-09-18 00:01:10

Local clock offset: 0.495 ms

Remote clock offset: 0.562 ms

# Below is generated by plot.py at 2017-09-18 05:19:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 30.666 ms

Loss rate: 0.39%

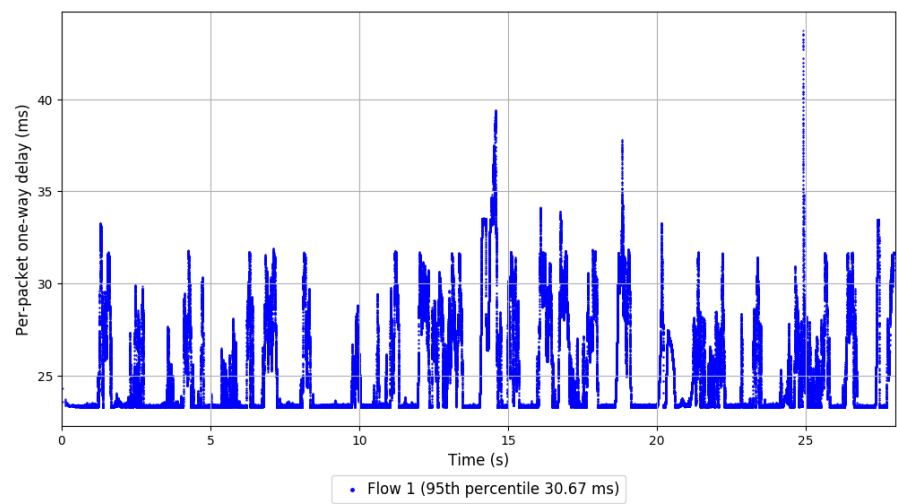
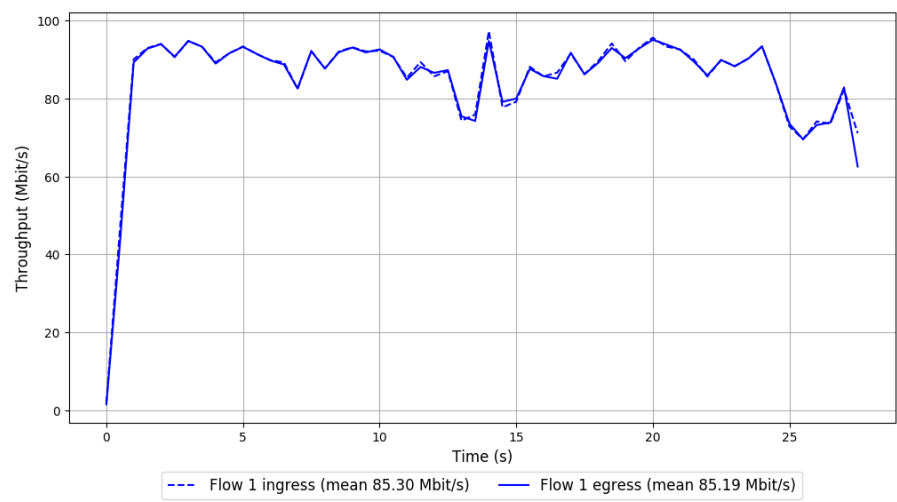
-- Flow 1:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 30.666 ms

Loss rate: 0.39%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-09-18 00:20:58

End at: 2017-09-18 00:21:28

Local clock offset: 0.48 ms

Remote clock offset: 0.702 ms

# Below is generated by plot.py at 2017-09-18 05:19:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 32.734 ms

Loss rate: 0.43%

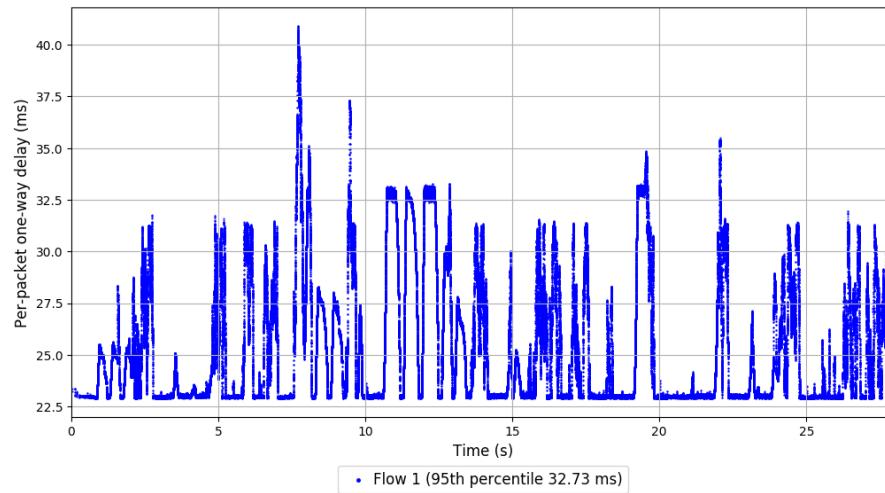
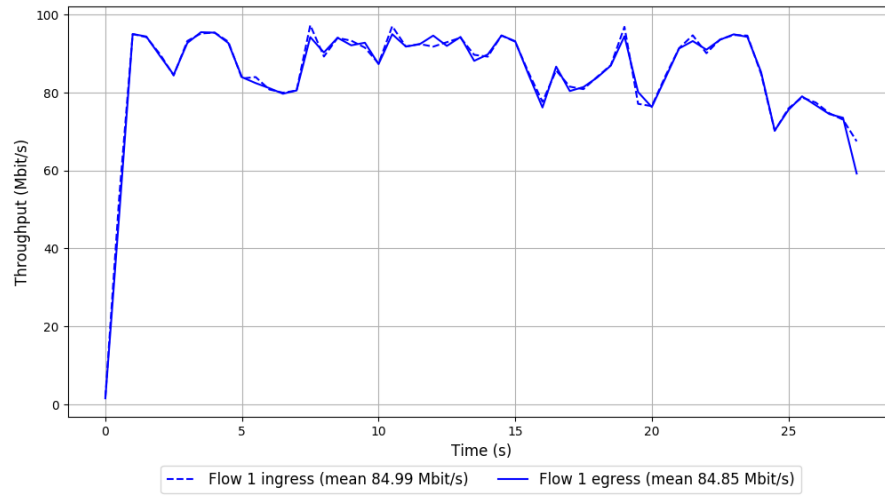
-- Flow 1:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 32.734 ms

Loss rate: 0.43%

### Run 7: Report of Copa — Data Link

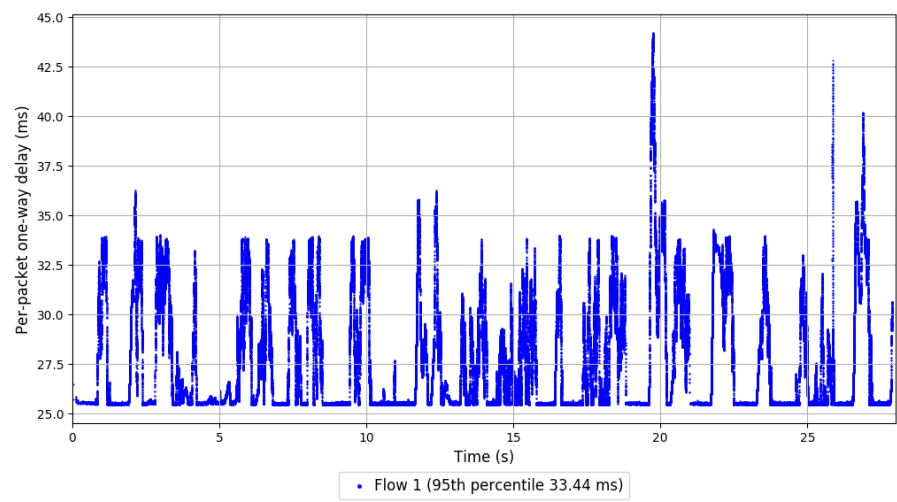
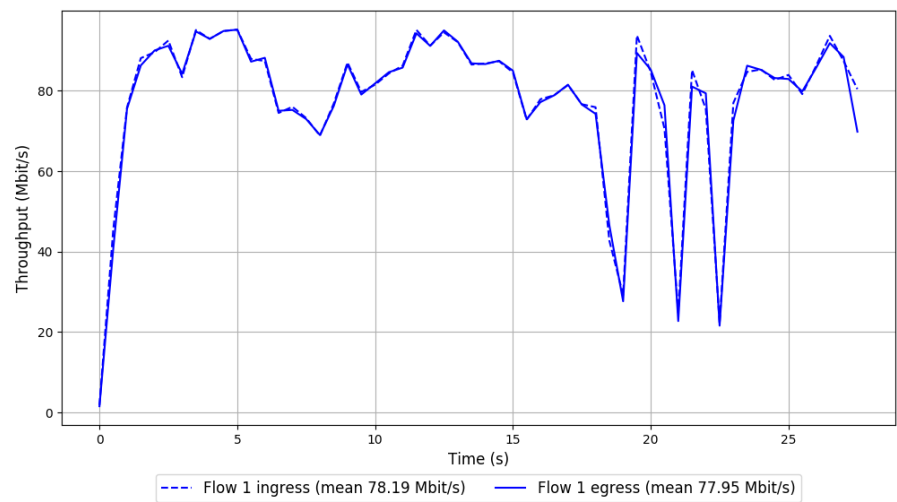


Run 8: Statistics of Copa

Start at: 2017-09-18 00:41:15  
End at: 2017-09-18 00:41:45  
Local clock offset: 0.774 ms  
Remote clock offset: -2.071 ms

# Below is generated by plot.py at 2017-09-18 05:19:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.95 Mbit/s  
95th percentile per-packet one-way delay: 33.442 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 77.95 Mbit/s  
95th percentile per-packet one-way delay: 33.442 ms  
Loss rate: 0.57%

Run 8: Report of Copa — Data Link



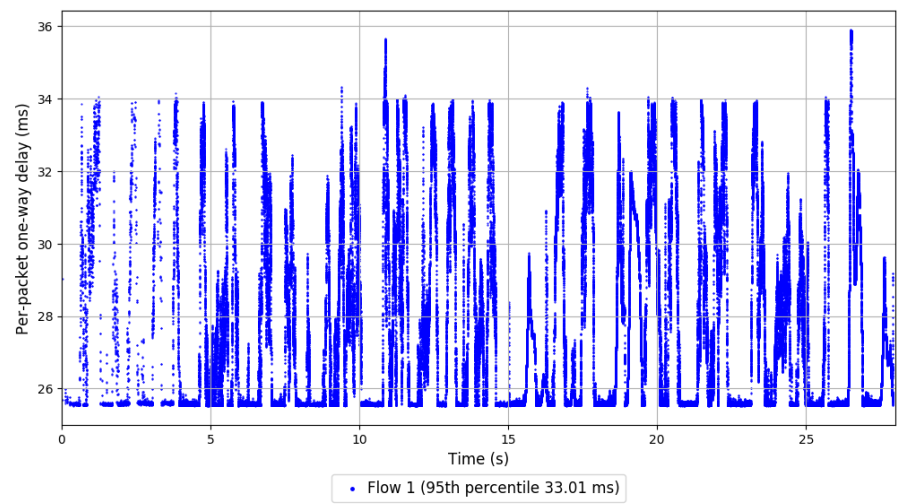
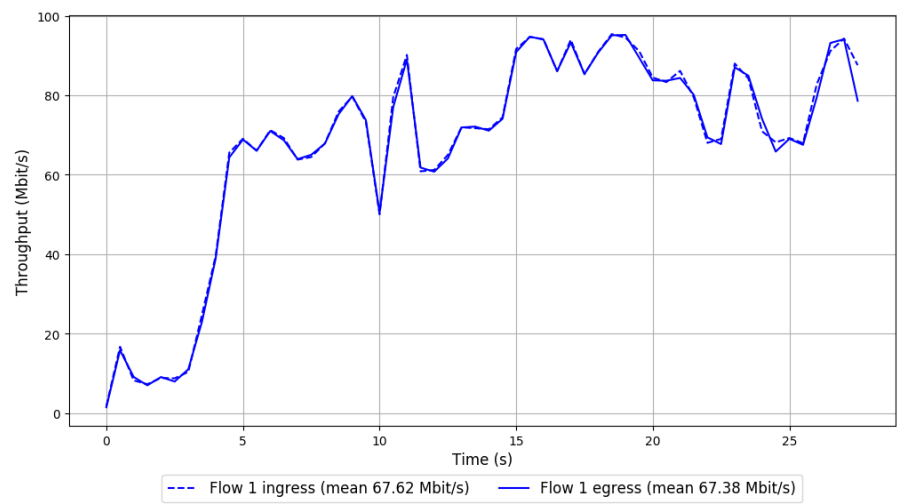
Run 9: Statistics of Copa

Start at: 2017-09-18 01:01:52  
End at: 2017-09-18 01:02:22  
Local clock offset: 0.848 ms  
Remote clock offset: -2.298 ms

# Below is generated by plot.py at 2017-09-18 05:19:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.38 Mbit/s  
95th percentile per-packet one-way delay: 33.005 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 67.38 Mbit/s  
95th percentile per-packet one-way delay: 33.005 ms  
Loss rate: 0.61%



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-09-18 01:22:23

End at: 2017-09-18 01:22:53

Local clock offset: 0.505 ms

Remote clock offset: -2.175 ms

# Below is generated by plot.py at 2017-09-18 05:19:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 33.640 ms

Loss rate: 0.70%

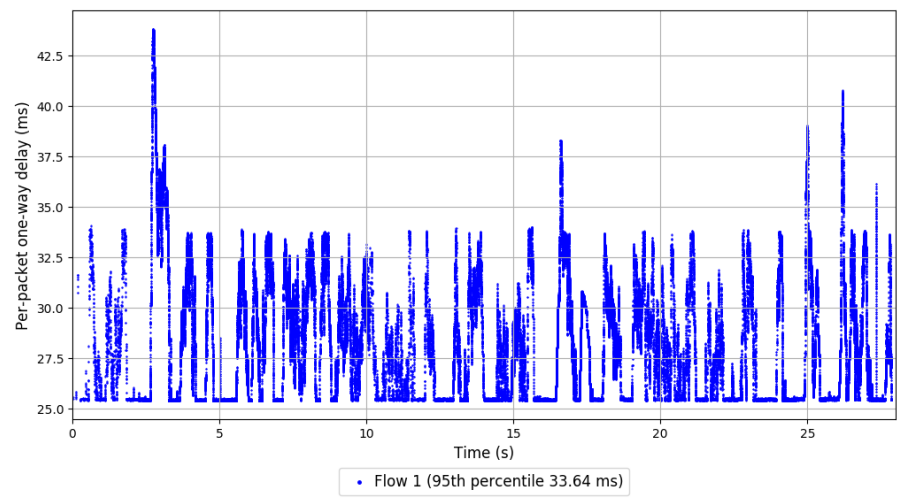
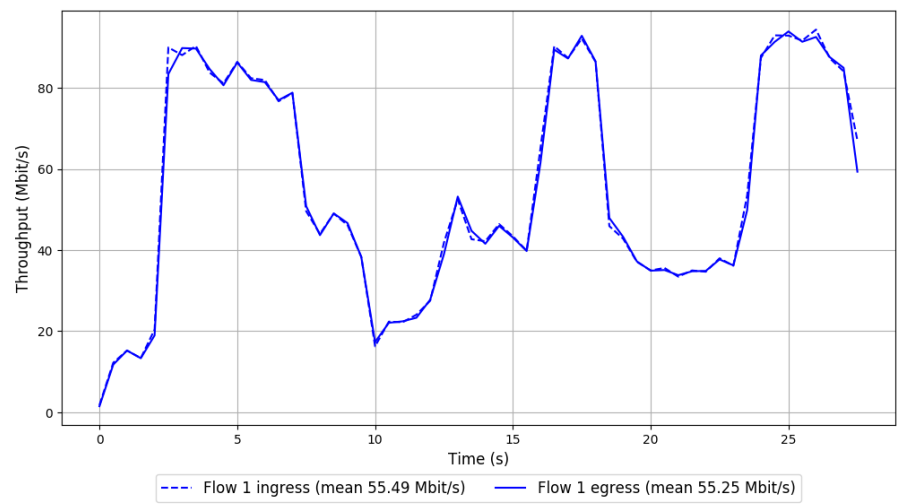
-- Flow 1:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 33.640 ms

Loss rate: 0.70%

Run 10: Report of Copa — Data Link

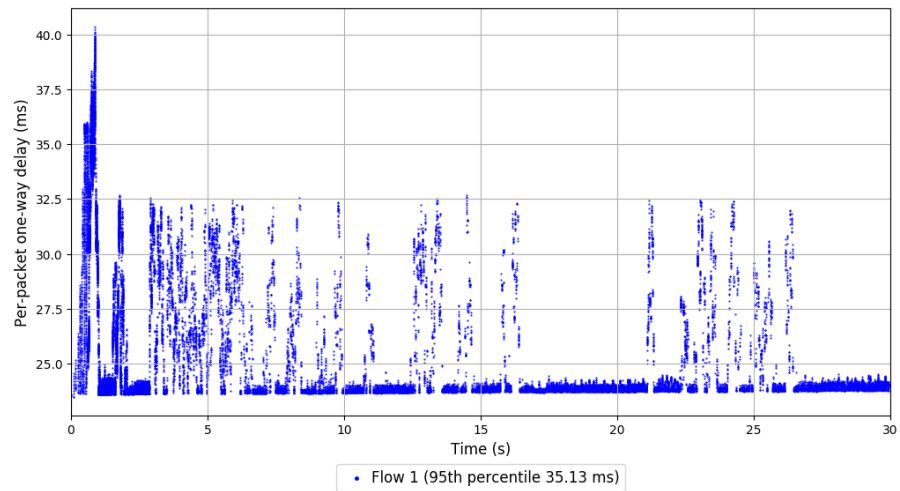
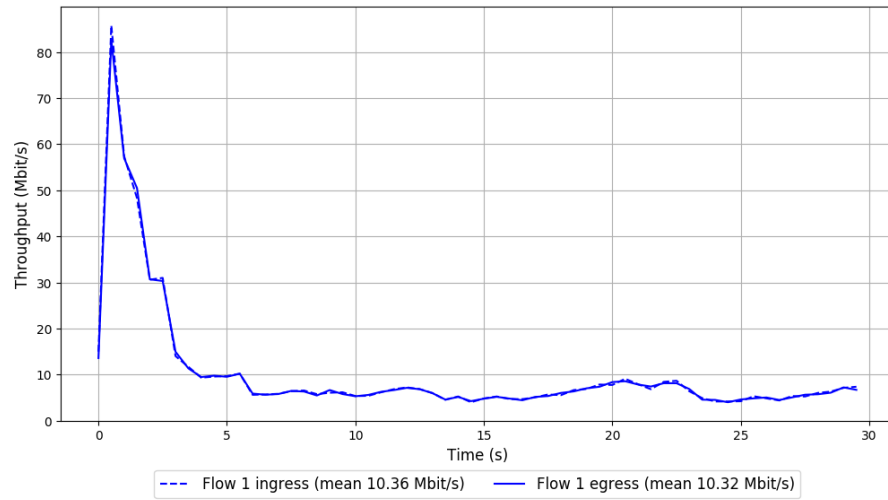


Run 1: Statistics of TCP Cubic

Start at: 2017-09-17 22:24:22  
End at: 2017-09-17 22:24:52  
Local clock offset: -5.783 ms  
Remote clock offset: -0.504 ms

# Below is generated by plot.py at 2017-09-18 05:19:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.32 Mbit/s  
95th percentile per-packet one-way delay: 35.135 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 10.32 Mbit/s  
95th percentile per-packet one-way delay: 35.135 ms  
Loss rate: 0.64%

### Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-17 22:45:07

End at: 2017-09-17 22:45:37

Local clock offset: -7.274 ms

Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2017-09-18 05:19:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 30.481 ms

Loss rate: 0.58%

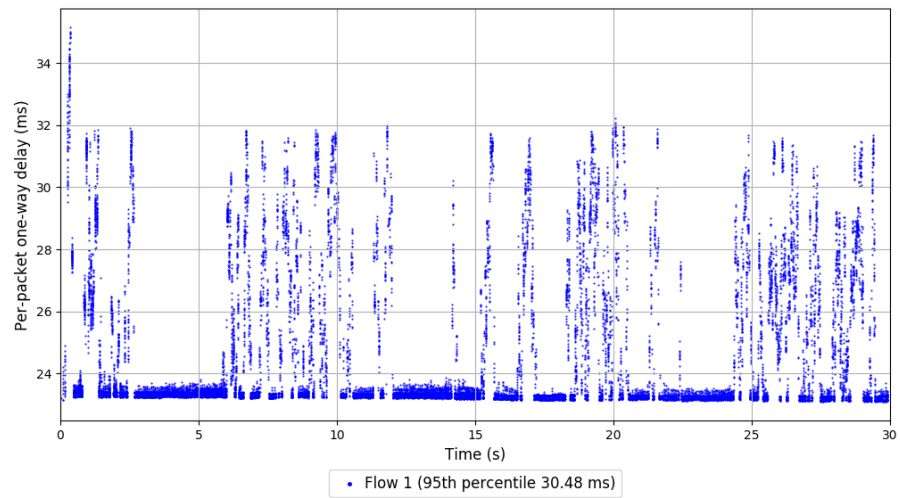
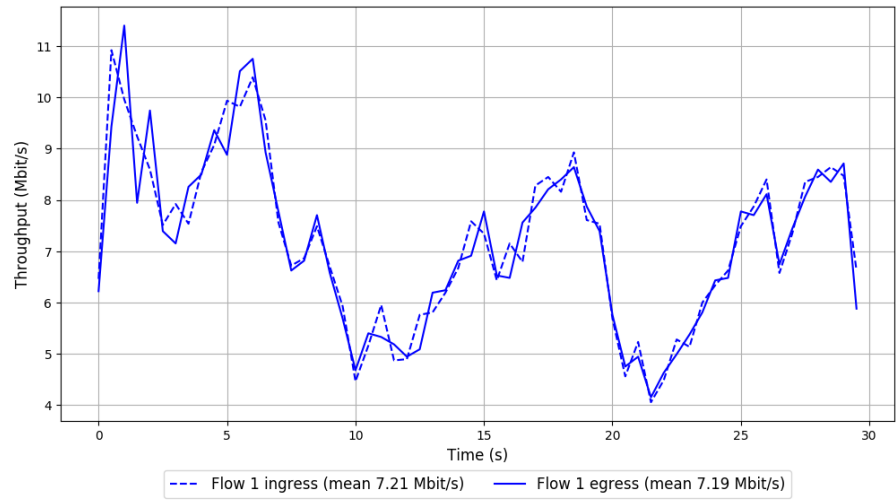
-- Flow 1:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 30.481 ms

Loss rate: 0.58%

## Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-09-17 23:05:28

End at: 2017-09-17 23:05:58

Local clock offset: 1.033 ms

Remote clock offset: 0.999 ms

# Below is generated by plot.py at 2017-09-18 05:19:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.61 Mbit/s

95th percentile per-packet one-way delay: 29.840 ms

Loss rate: 0.36%

-- Flow 1:

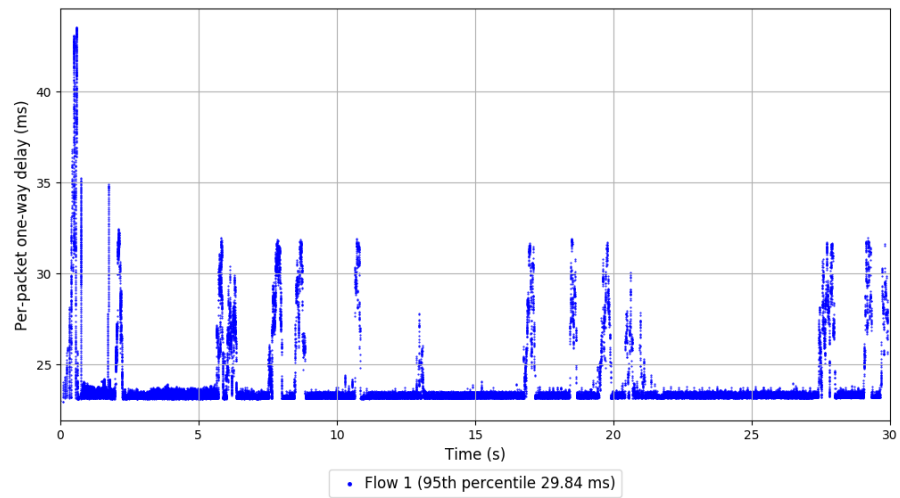
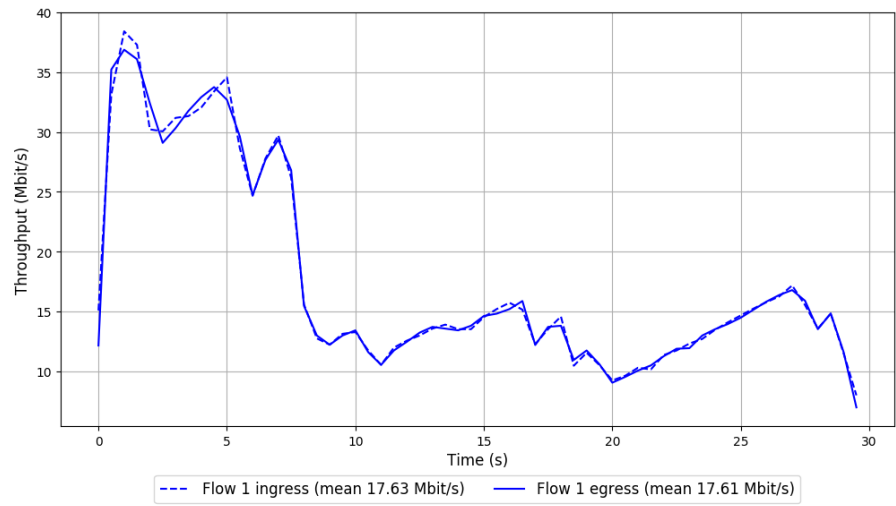
Average throughput: 17.61 Mbit/s

95th percentile per-packet one-way delay: 29.840 ms

Loss rate: 0.36%



### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-09-17 23:26:14

End at: 2017-09-17 23:26:44

Local clock offset: 0.502 ms

Remote clock offset: 0.962 ms

# Below is generated by plot.py at 2017-09-18 05:19:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 19.19 Mbit/s

95th percentile per-packet one-way delay: 34.714 ms

Loss rate: 0.36%

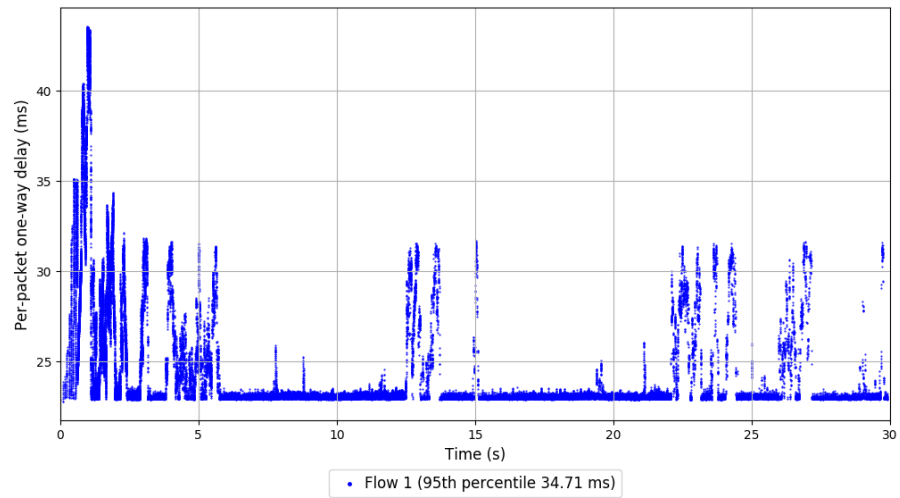
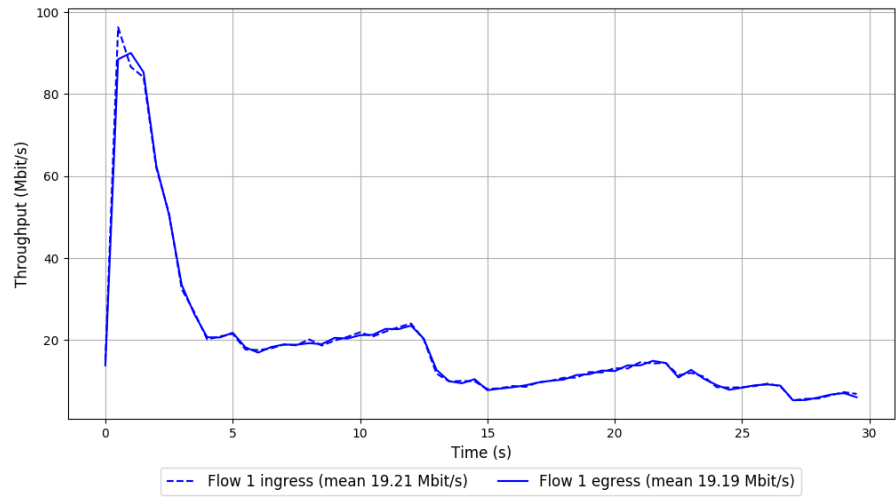
-- Flow 1:

Average throughput: 19.19 Mbit/s

95th percentile per-packet one-way delay: 34.714 ms

Loss rate: 0.36%

#### Run 4: Report of TCP Cubic — Data Link

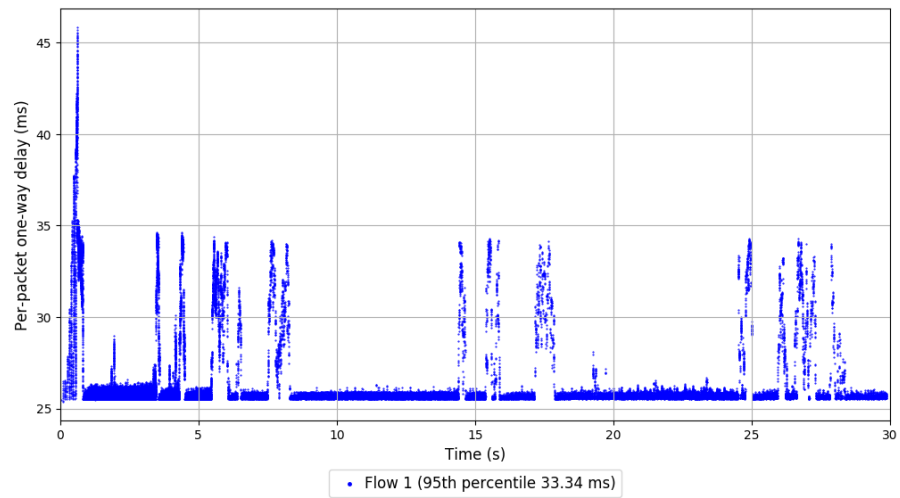
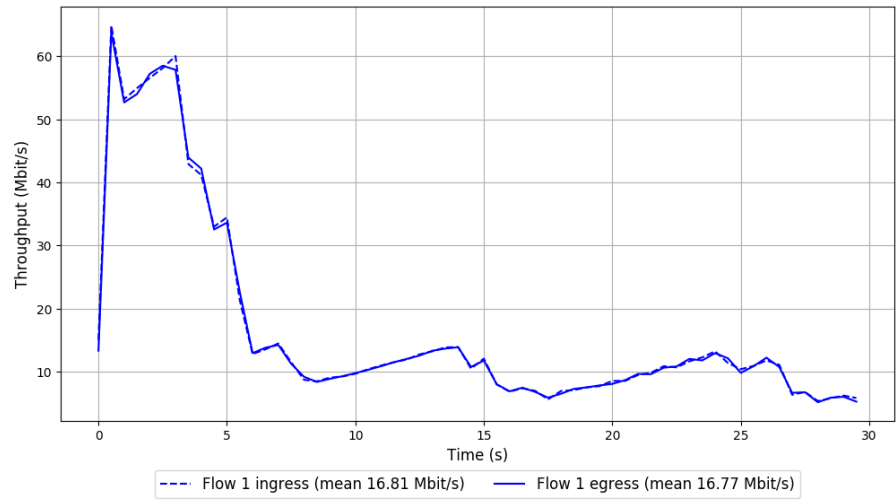


Run 5: Statistics of TCP Cubic

Start at: 2017-09-17 23:47:02  
End at: 2017-09-17 23:47:32  
Local clock offset: 0.803 ms  
Remote clock offset: -1.423 ms

# Below is generated by plot.py at 2017-09-18 05:19:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.77 Mbit/s  
95th percentile per-packet one-way delay: 33.341 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 16.77 Mbit/s  
95th percentile per-packet one-way delay: 33.341 ms  
Loss rate: 0.47%

### Run 5: Report of TCP Cubic — Data Link

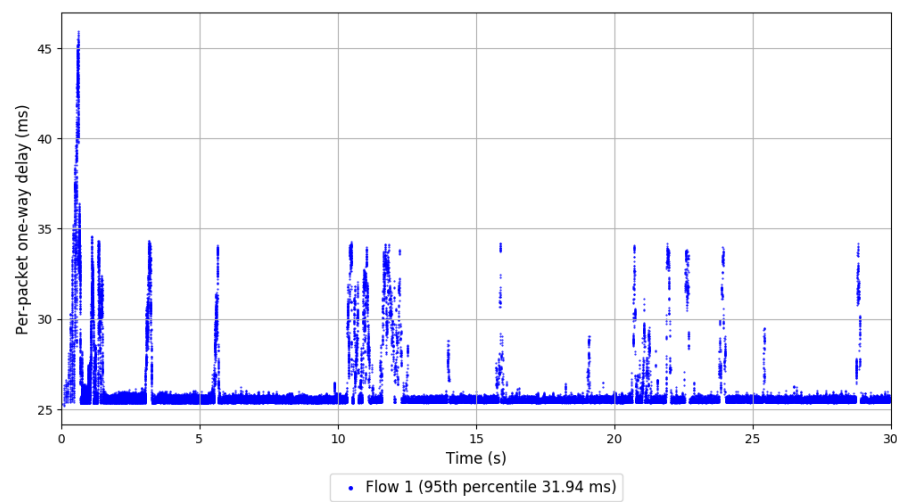
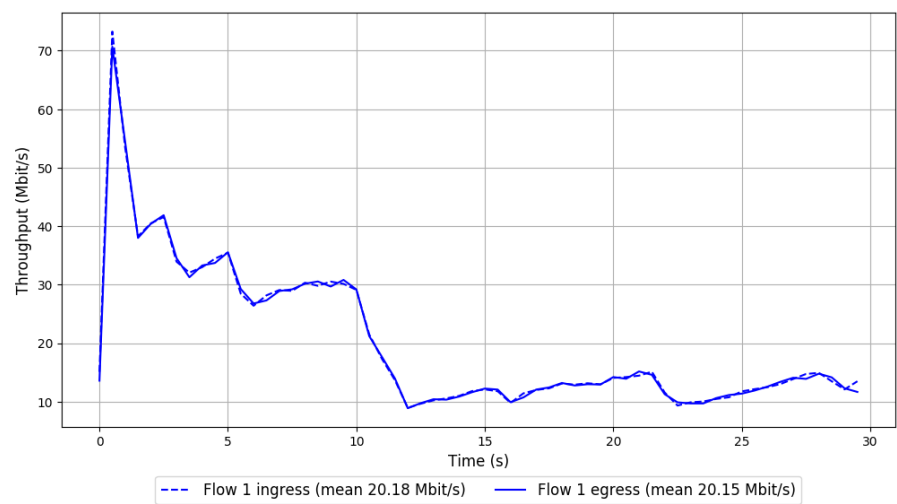


Run 6: Statistics of TCP Cubic

Start at: 2017-09-18 00:07:26  
End at: 2017-09-18 00:07:56  
Local clock offset: 0.407 ms  
Remote clock offset: -1.532 ms

# Below is generated by plot.py at 2017-09-18 05:19:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.15 Mbit/s  
95th percentile per-packet one-way delay: 31.941 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 20.15 Mbit/s  
95th percentile per-packet one-way delay: 31.941 ms  
Loss rate: 0.38%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-09-18 00:27:46

End at: 2017-09-18 00:28:16

Local clock offset: 0.452 ms

Remote clock offset: 0.76 ms

# Below is generated by plot.py at 2017-09-18 05:19:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 28.019 ms

Loss rate: 0.46%

-- Flow 1:

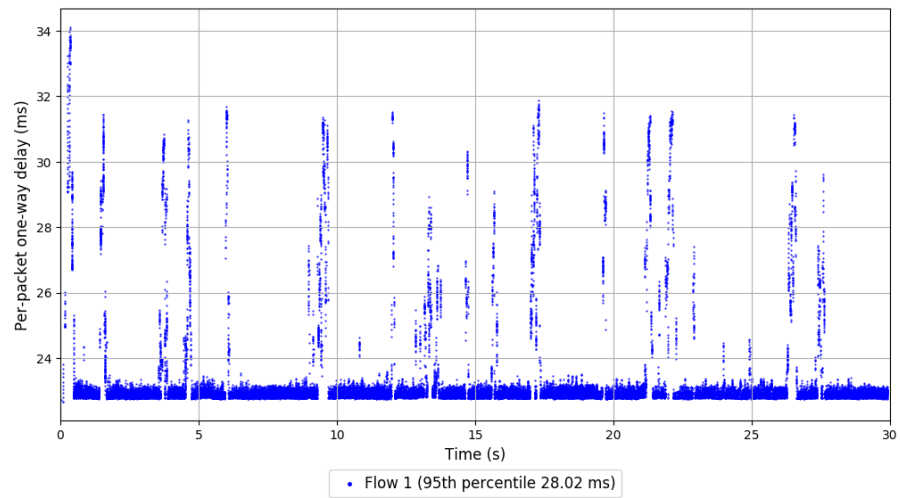
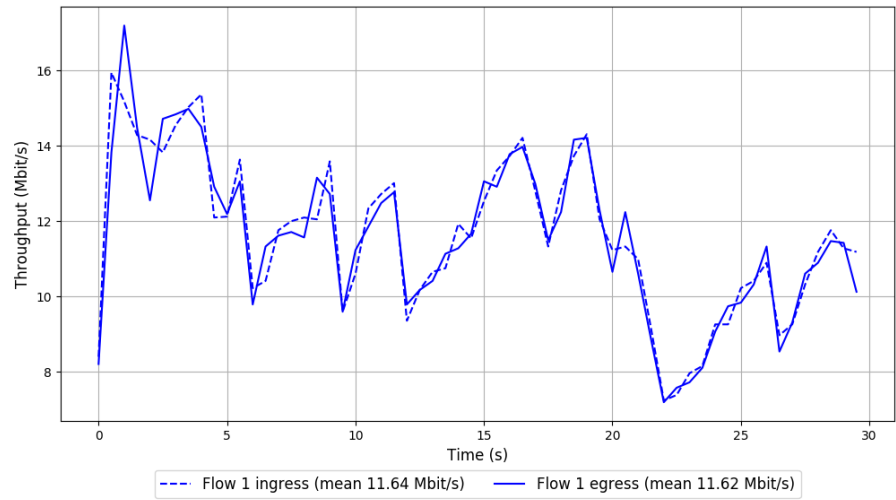
Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 28.019 ms

Loss rate: 0.46%



## Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-18 00:48:03

End at: 2017-09-18 00:48:33

Local clock offset: 0.841 ms

Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2017-09-18 05:19:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 32.119 ms

Loss rate: 0.39%

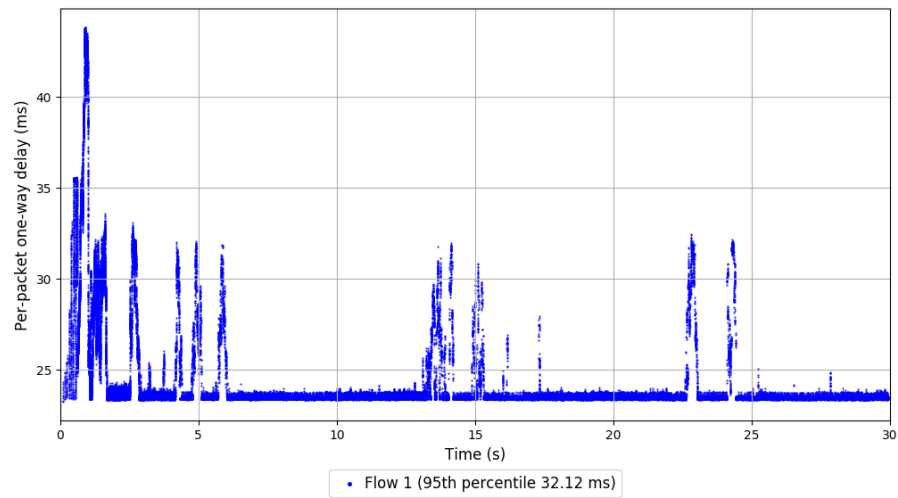
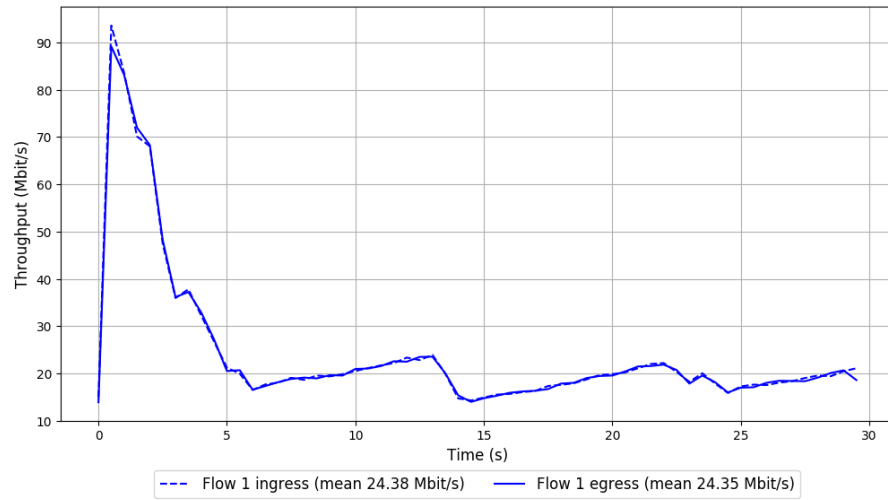
-- Flow 1:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 32.119 ms

Loss rate: 0.39%

## Run 8: Report of TCP Cubic — Data Link

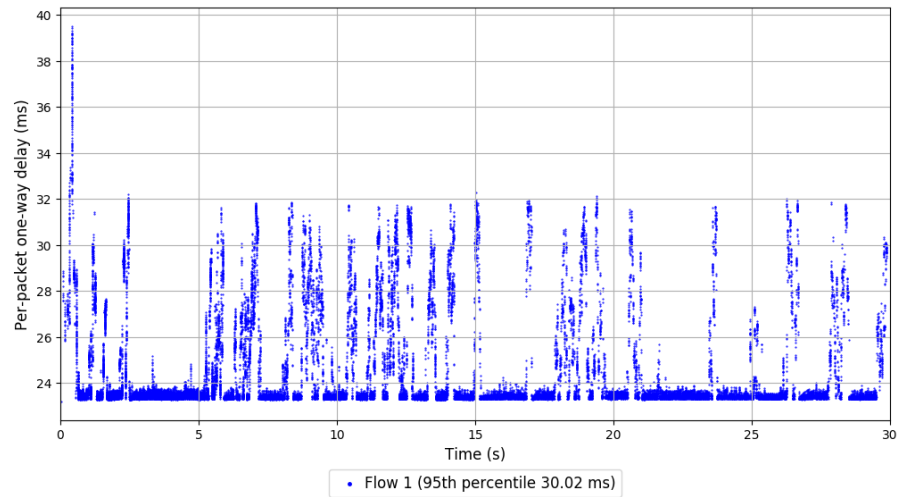
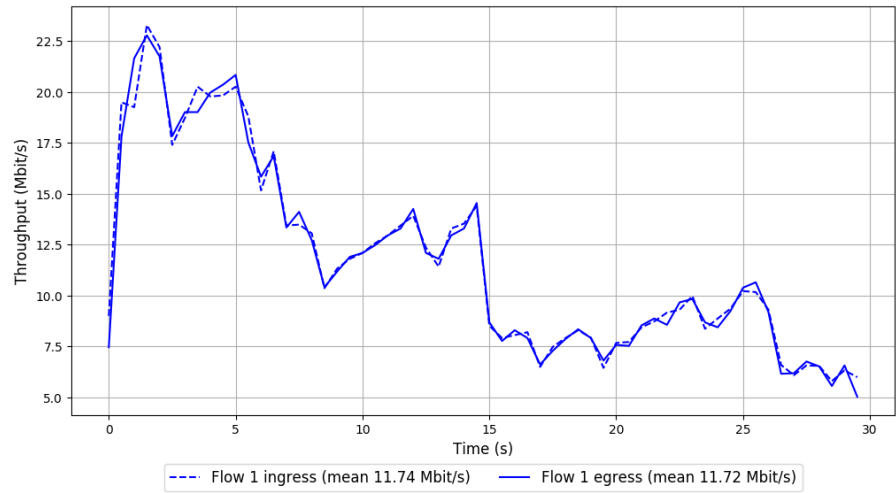


Run 9: Statistics of TCP Cubic

Start at: 2017-09-18 01:08:48  
End at: 2017-09-18 01:09:18  
Local clock offset: 0.714 ms  
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2017-09-18 05:19:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.72 Mbit/s  
95th percentile per-packet one-way delay: 30.021 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 11.72 Mbit/s  
95th percentile per-packet one-way delay: 30.021 ms  
Loss rate: 0.41%

### Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-18 01:29:07

End at: 2017-09-18 01:29:37

Local clock offset: 0.465 ms

Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2017-09-18 05:19:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 19.32 Mbit/s

95th percentile per-packet one-way delay: 31.134 ms

Loss rate: 0.40%

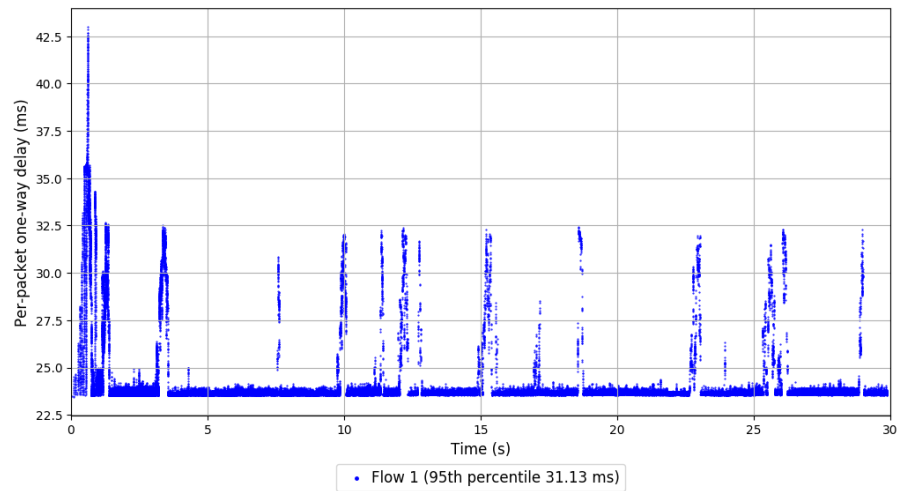
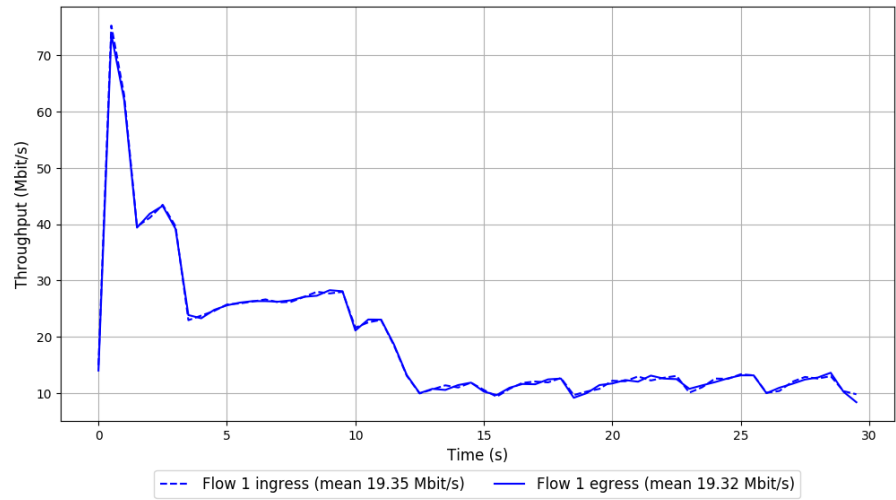
-- Flow 1:

Average throughput: 19.32 Mbit/s

95th percentile per-packet one-way delay: 31.134 ms

Loss rate: 0.40%

### Run 10: Report of TCP Cubic — Data Link



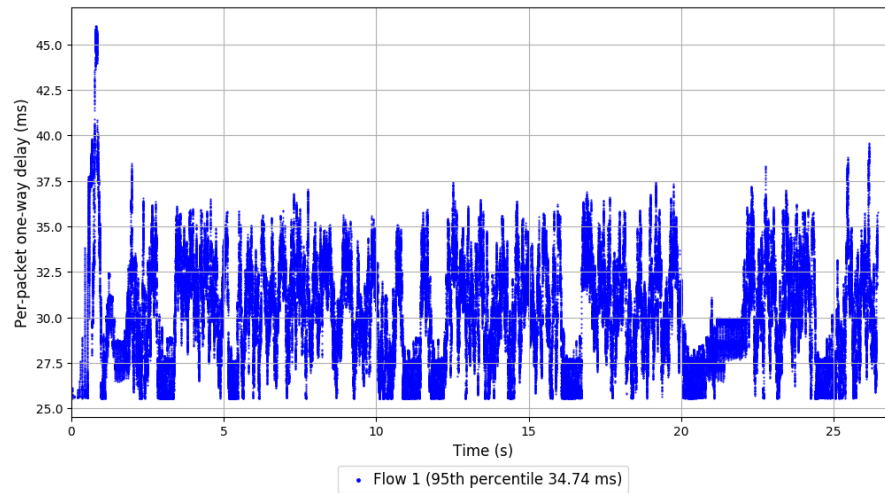
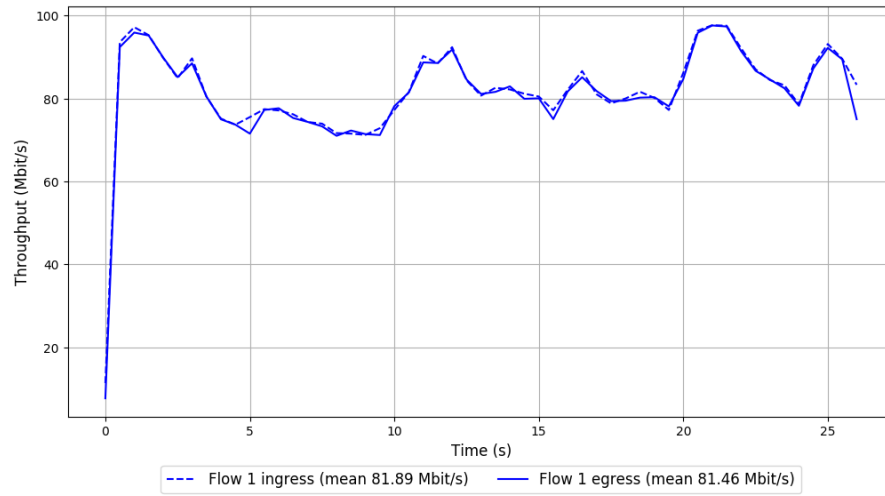
Run 1: Statistics of Indigo

Start at: 2017-09-17 22:14:17  
End at: 2017-09-17 22:14:47  
Local clock offset: -5.483 ms  
Remote clock offset: -2.784 ms

# Below is generated by plot.py at 2017-09-18 05:19:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.46 Mbit/s  
95th percentile per-packet one-way delay: 34.741 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 81.46 Mbit/s  
95th percentile per-packet one-way delay: 34.741 ms  
Loss rate: 0.79%



### Run 1: Report of Indigo — Data Link

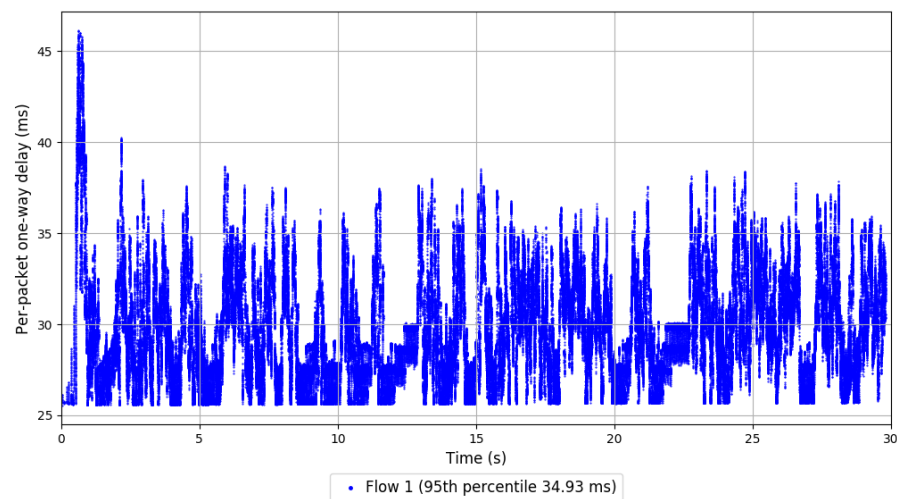
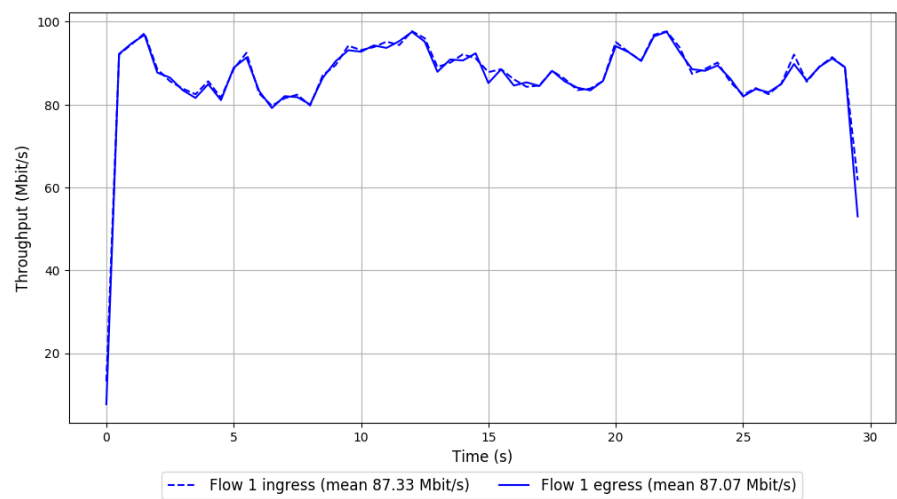


Run 2: Statistics of Indigo

Start at: 2017-09-17 22:35:12  
End at: 2017-09-17 22:35:42  
Local clock offset: -6.059 ms  
Remote clock offset: -2.246 ms

# Below is generated by plot.py at 2017-09-18 05:19:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.07 Mbit/s  
95th percentile per-packet one-way delay: 34.930 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 87.07 Mbit/s  
95th percentile per-packet one-way delay: 34.930 ms  
Loss rate: 0.54%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-17 22:56:01

End at: 2017-09-17 22:56:31

Local clock offset: -4.211 ms

Remote clock offset: -1.68 ms

# Below is generated by plot.py at 2017-09-18 05:19:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 34.361 ms

Loss rate: 0.71%

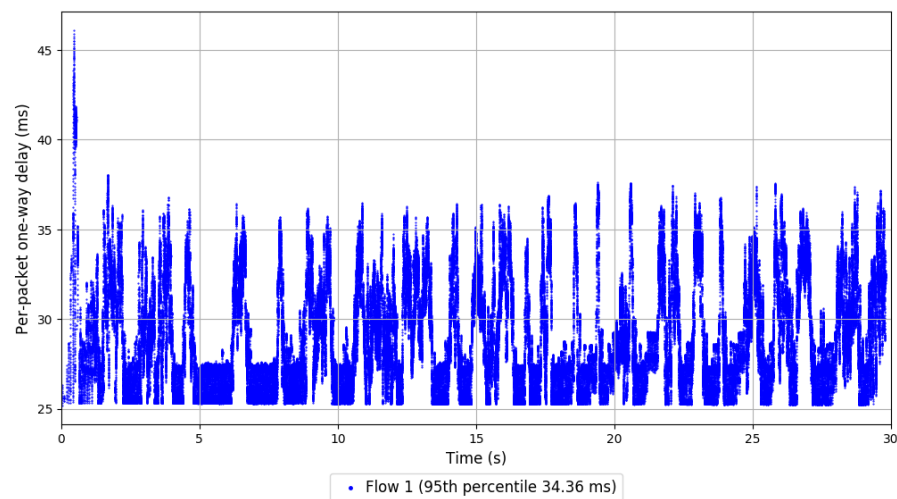
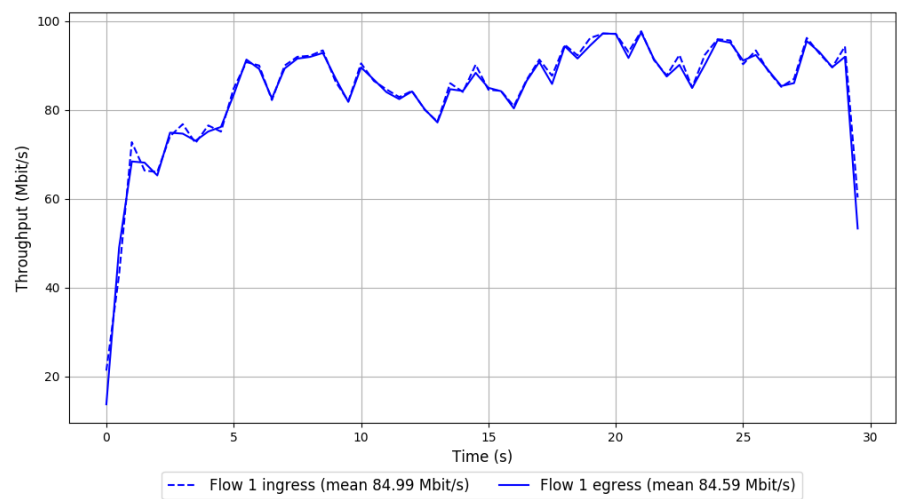
-- Flow 1:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 34.361 ms

Loss rate: 0.71%

Run 3: Report of Indigo — Data Link

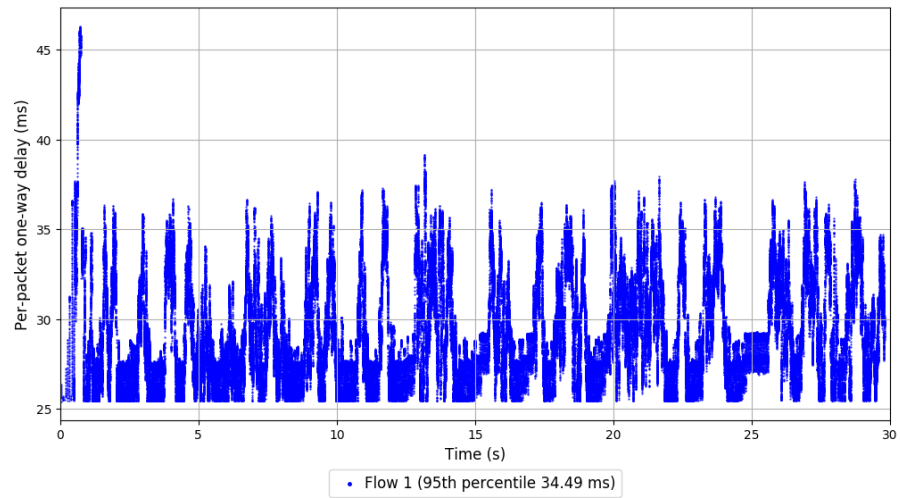
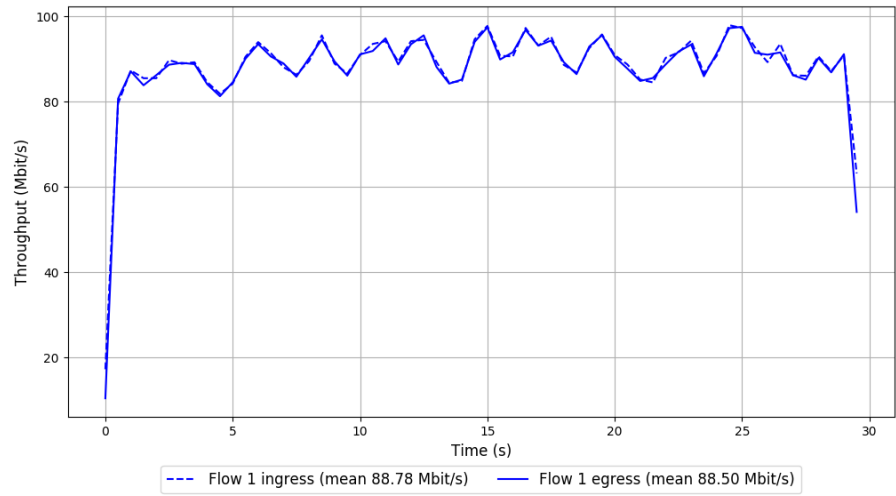


Run 4: Statistics of Indigo

Start at: 2017-09-17 23:16:18  
End at: 2017-09-17 23:16:48  
Local clock offset: 0.132 ms  
Remote clock offset: -1.541 ms

# Below is generated by plot.py at 2017-09-18 05:19:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.50 Mbit/s  
95th percentile per-packet one-way delay: 34.488 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 88.50 Mbit/s  
95th percentile per-packet one-way delay: 34.488 ms  
Loss rate: 0.56%

#### Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-09-17 23:37:07

End at: 2017-09-17 23:37:37

Local clock offset: 0.569 ms

Remote clock offset: 1.11 ms

# Below is generated by plot.py at 2017-09-18 05:20:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 31.790 ms

Loss rate: 0.57%

-- Flow 1:

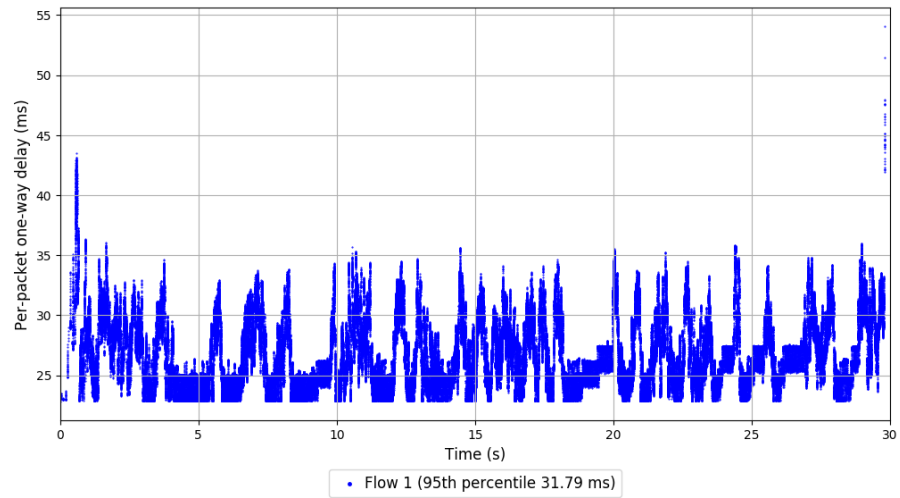
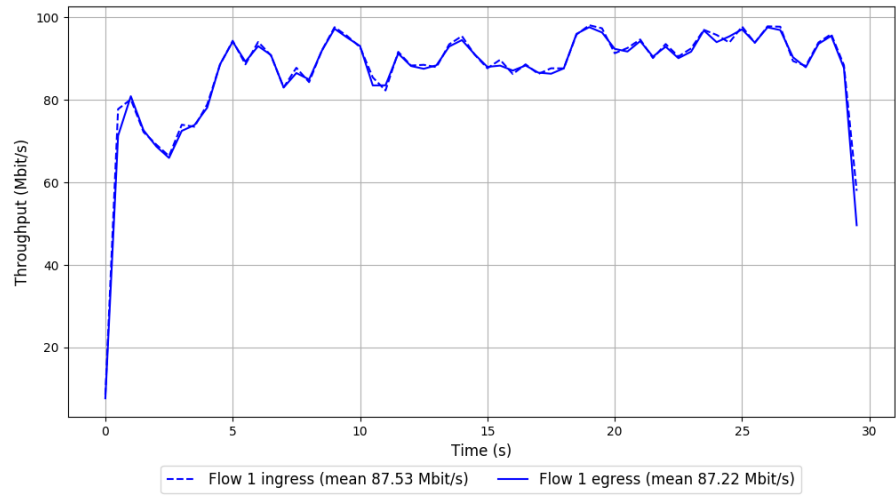
Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 31.790 ms

Loss rate: 0.57%



### Run 5: Report of Indigo — Data Link

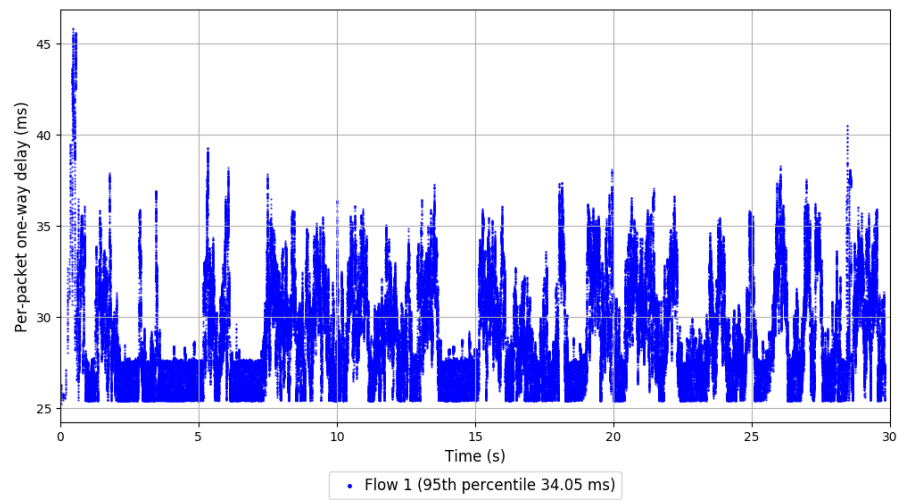
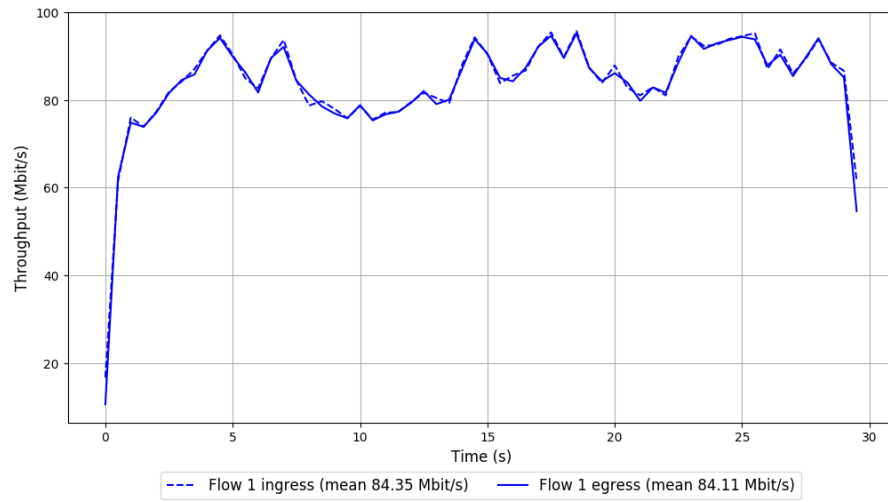


Run 6: Statistics of Indigo

Start at: 2017-09-17 23:57:49  
End at: 2017-09-17 23:58:19  
Local clock offset: 0.511 ms  
Remote clock offset: -1.578 ms

# Below is generated by plot.py at 2017-09-18 05:20:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.11 Mbit/s  
95th percentile per-packet one-way delay: 34.052 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 84.11 Mbit/s  
95th percentile per-packet one-way delay: 34.052 ms  
Loss rate: 0.52%

## Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-09-18 00:18:08

End at: 2017-09-18 00:18:38

Local clock offset: 0.465 ms

Remote clock offset: 0.772 ms

# Below is generated by plot.py at 2017-09-18 05:20:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 32.038 ms

Loss rate: 0.58%

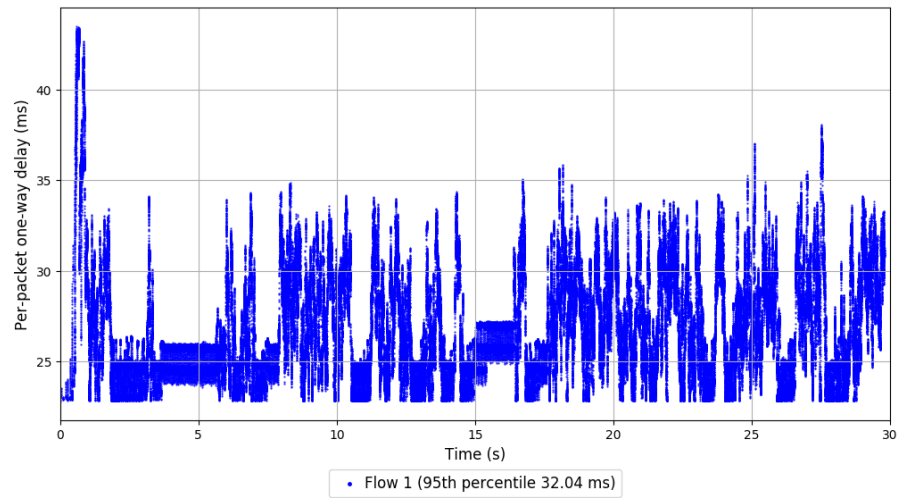
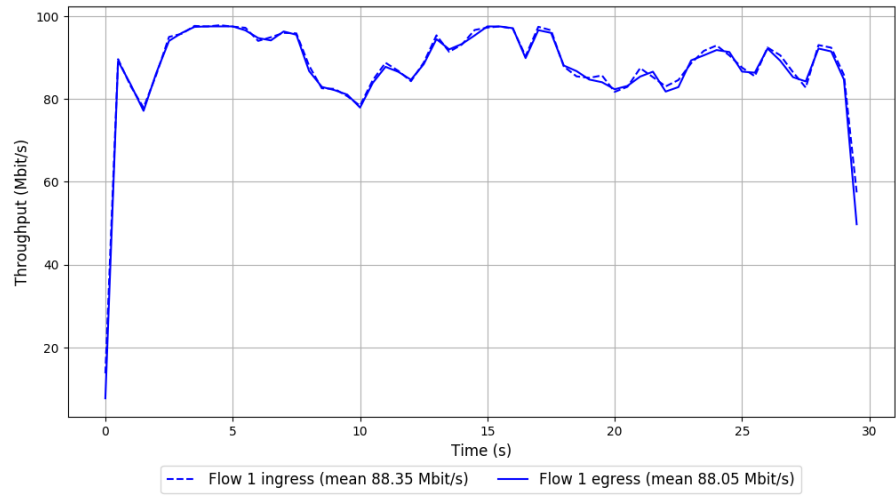
-- Flow 1:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 32.038 ms

Loss rate: 0.58%

## Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-18 00:38:22

End at: 2017-09-18 00:38:52

Local clock offset: 0.734 ms

Remote clock offset: 0.489 ms

# Below is generated by plot.py at 2017-09-18 05:20:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.56 Mbit/s

95th percentile per-packet one-way delay: 31.763 ms

Loss rate: 0.48%

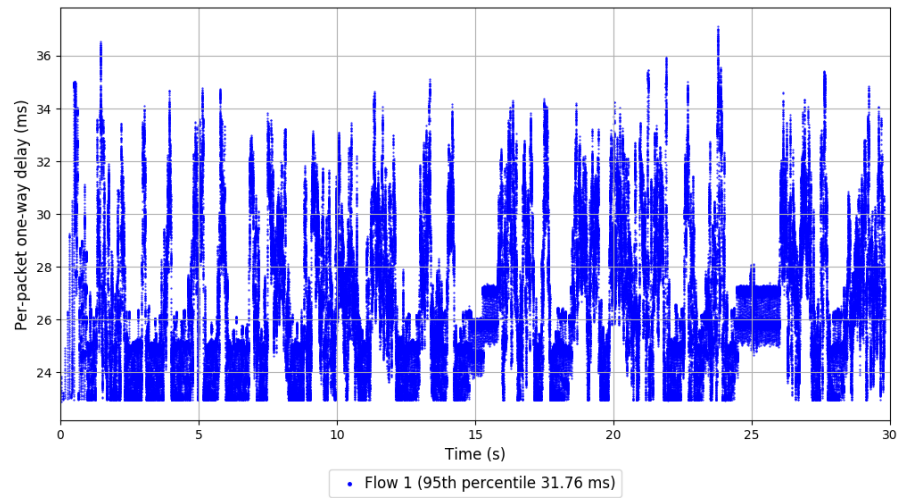
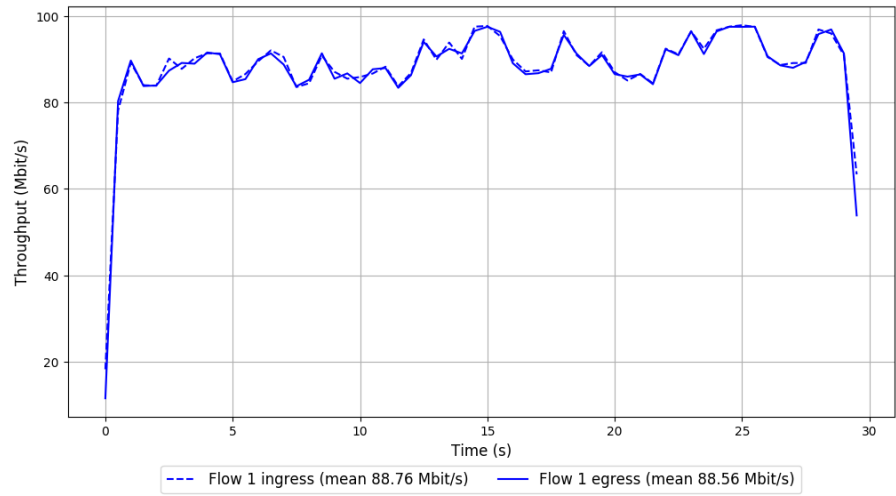
-- Flow 1:

Average throughput: 88.56 Mbit/s

95th percentile per-packet one-way delay: 31.763 ms

Loss rate: 0.48%

### Run 8: Report of Indigo — Data Link



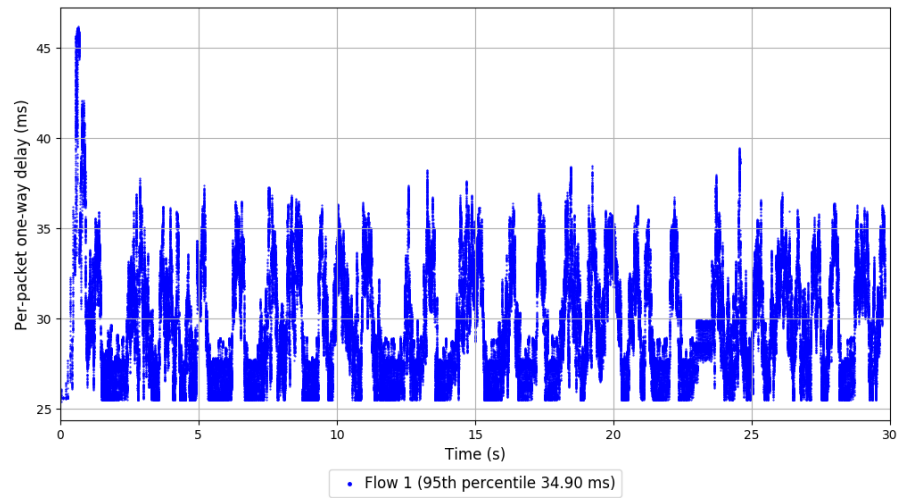
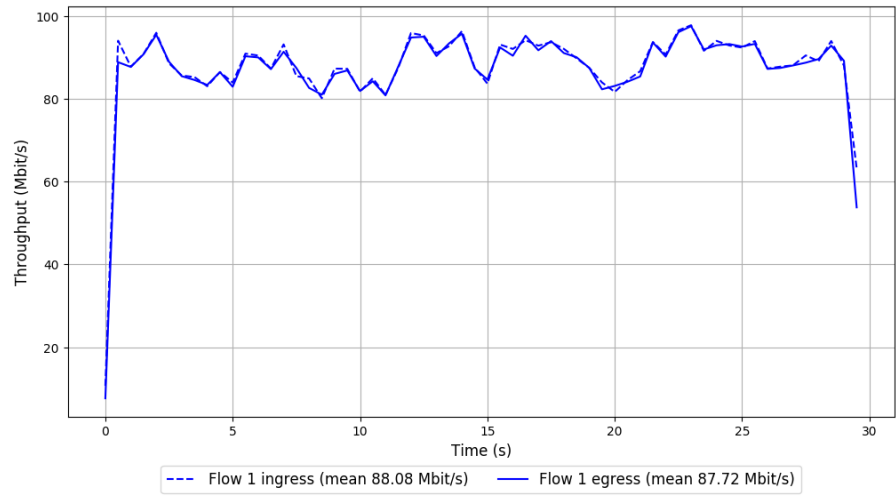
Run 9: Statistics of Indigo

Start at: 2017-09-18 00:58:47  
End at: 2017-09-18 00:59:17  
Local clock offset: 0.85 ms  
Remote clock offset: -2.259 ms

# Below is generated by plot.py at 2017-09-18 05:20:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.72 Mbit/s  
95th percentile per-packet one-way delay: 34.900 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 87.72 Mbit/s  
95th percentile per-packet one-way delay: 34.900 ms  
Loss rate: 0.64%



### Run 9: Report of Indigo — Data Link

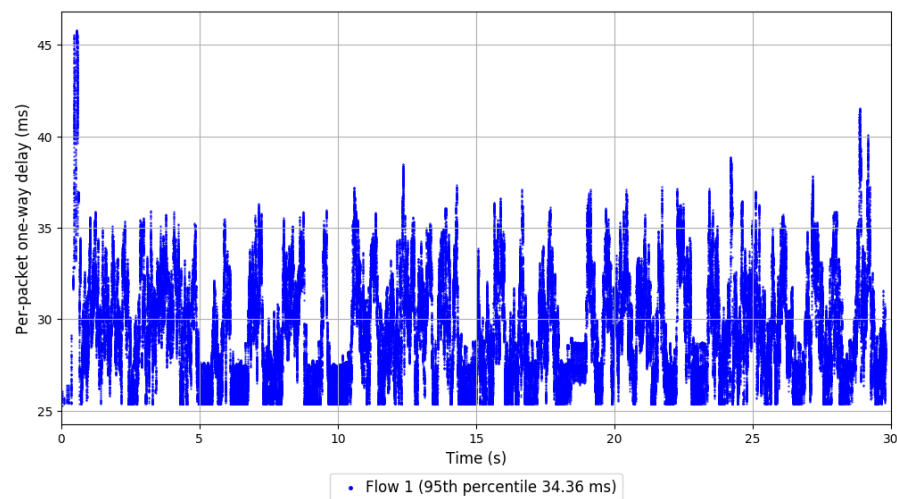
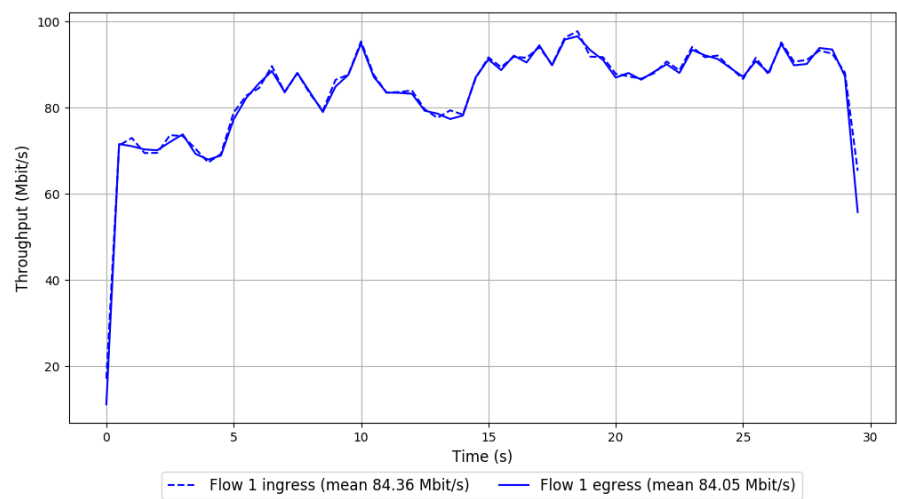


Run 10: Statistics of Indigo

Start at: 2017-09-18 01:19:33  
End at: 2017-09-18 01:20:03  
Local clock offset: 0.566 ms  
Remote clock offset: -2.163 ms

# Below is generated by plot.py at 2017-09-18 05:21:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.05 Mbit/s  
95th percentile per-packet one-way delay: 34.361 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 84.05 Mbit/s  
95th percentile per-packet one-way delay: 34.361 ms  
Loss rate: 0.61%

Run 10: Report of Indigo — Data Link

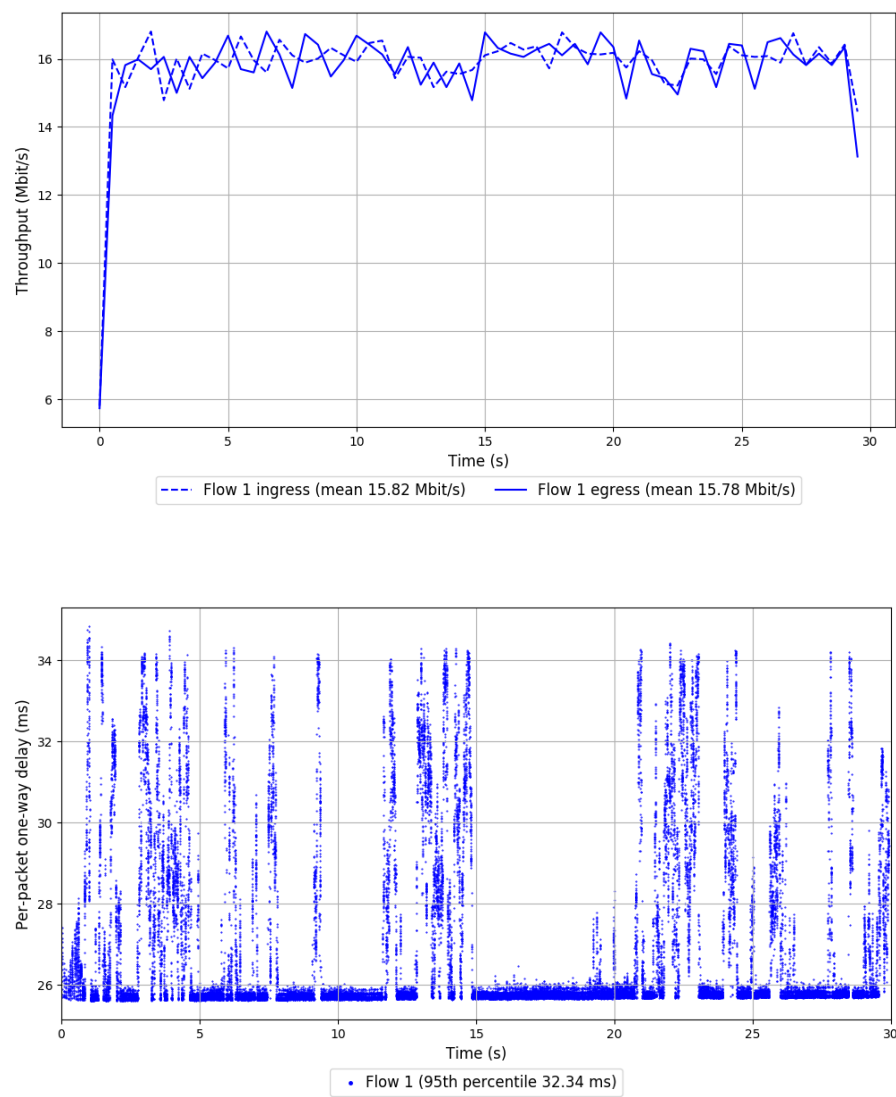


Run 1: Statistics of KohoCC

Start at: 2017-09-17 22:21:44  
End at: 2017-09-17 22:22:14  
Local clock offset: -5.331 ms  
Remote clock offset: -2.594 ms

# Below is generated by plot.py at 2017-09-18 05:21:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.78 Mbit/s  
95th percentile per-packet one-way delay: 32.342 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 15.78 Mbit/s  
95th percentile per-packet one-way delay: 32.342 ms  
Loss rate: 0.46%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: 2017-09-17 22:42:29

End at: 2017-09-17 22:42:59

Local clock offset: -8.312 ms

Remote clock offset: 0.407 ms

# Below is generated by plot.py at 2017-09-18 05:21:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 29.829 ms

Loss rate: 0.53%

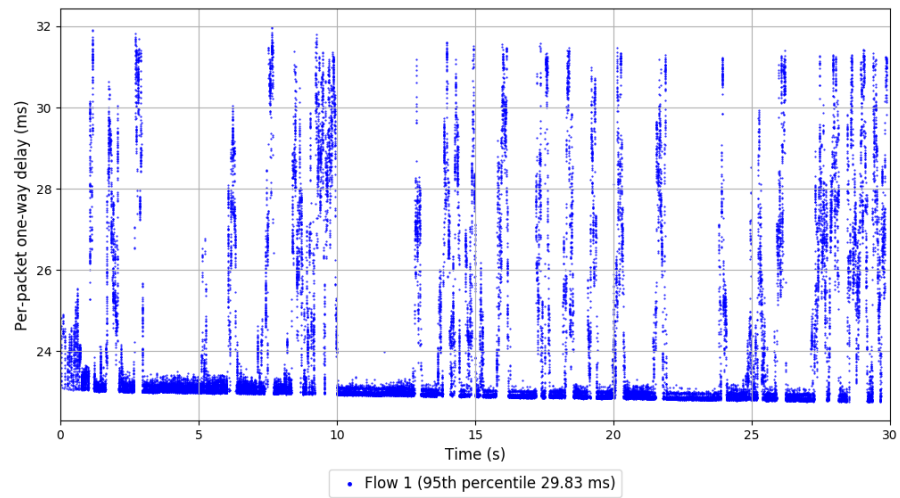
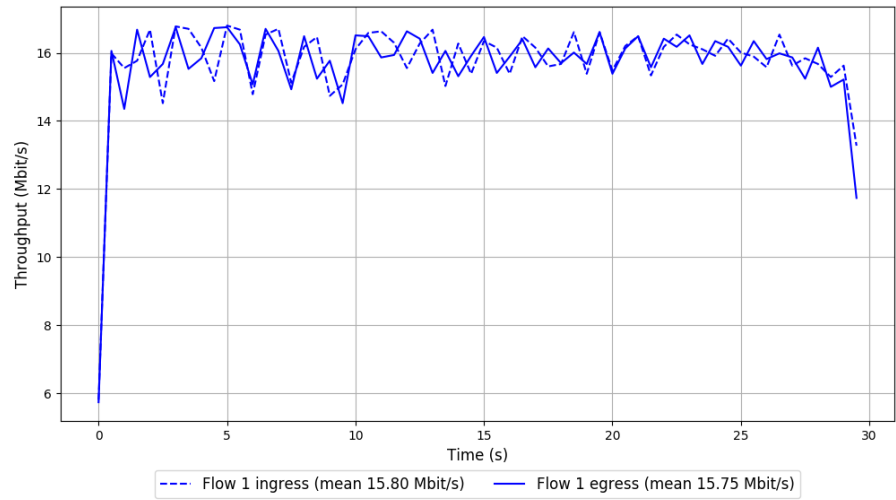
-- Flow 1:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 29.829 ms

Loss rate: 0.53%

## Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: 2017-09-17 23:02:53

End at: 2017-09-17 23:03:23

Local clock offset: 0.5 ms

Remote clock offset: 0.573 ms

# Below is generated by plot.py at 2017-09-18 05:21:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 28.426 ms

Loss rate: 0.39%

-- Flow 1:

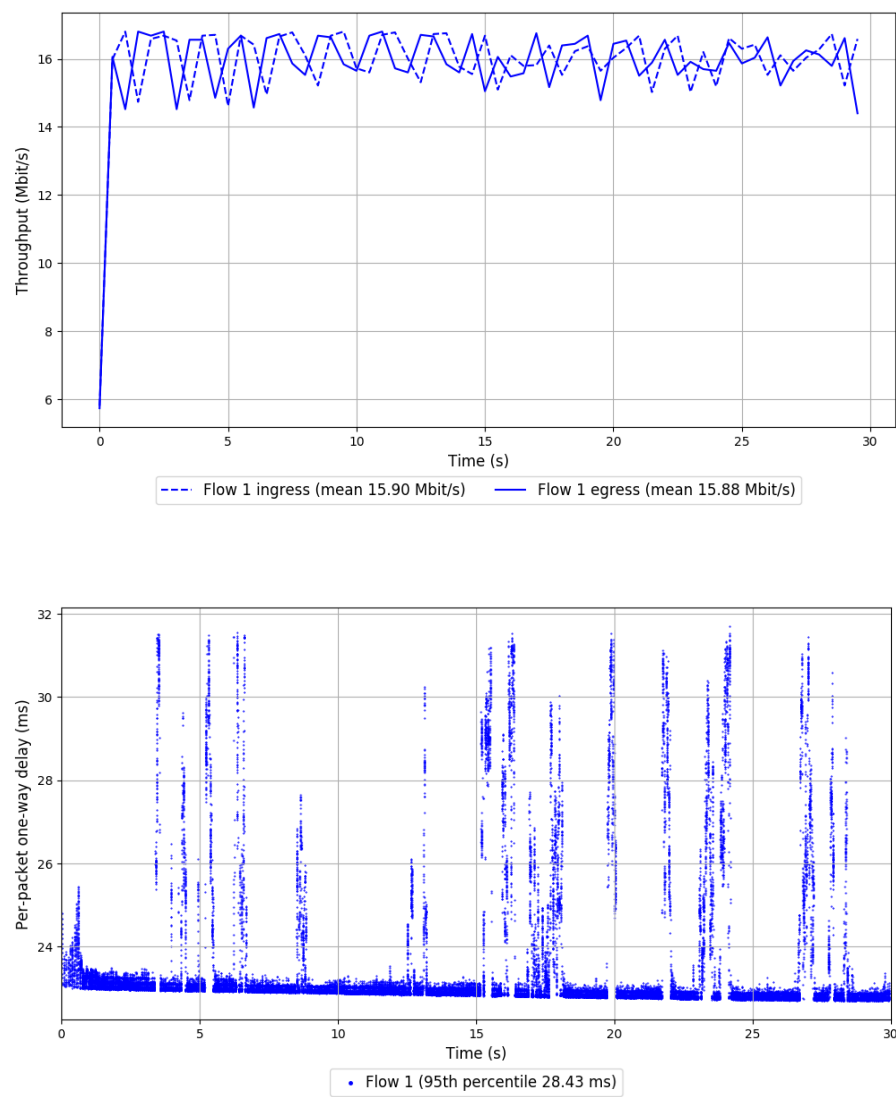
Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 28.426 ms

Loss rate: 0.39%



Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: 2017-09-17 23:23:36

End at: 2017-09-17 23:24:06

Local clock offset: 0.333 ms

Remote clock offset: 0.59 ms

# Below is generated by plot.py at 2017-09-18 05:21:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.17 Mbit/s

95th percentile per-packet one-way delay: 29.776 ms

Loss rate: 0.40%

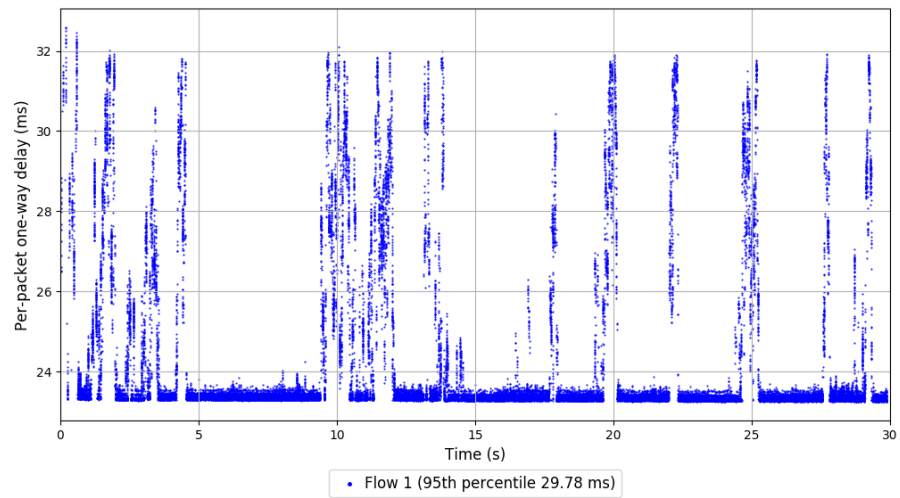
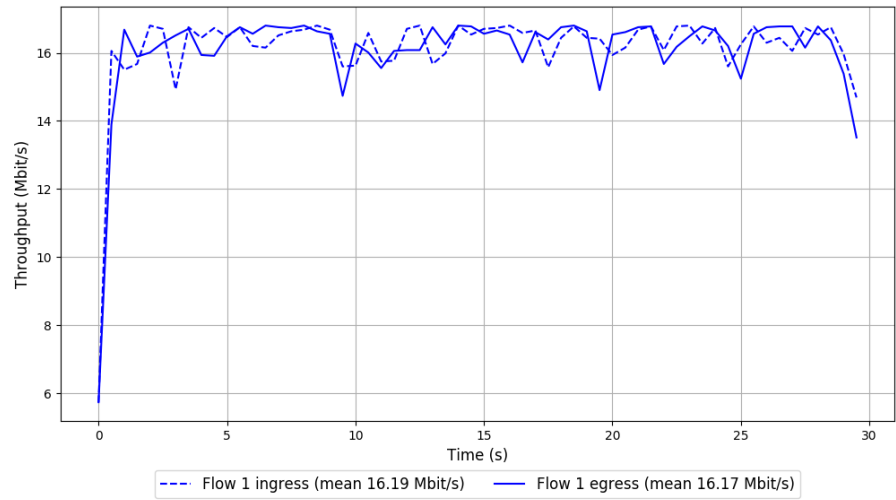
-- Flow 1:

Average throughput: 16.17 Mbit/s

95th percentile per-packet one-way delay: 29.776 ms

Loss rate: 0.40%

#### Run 4: Report of KohoCC — Data Link

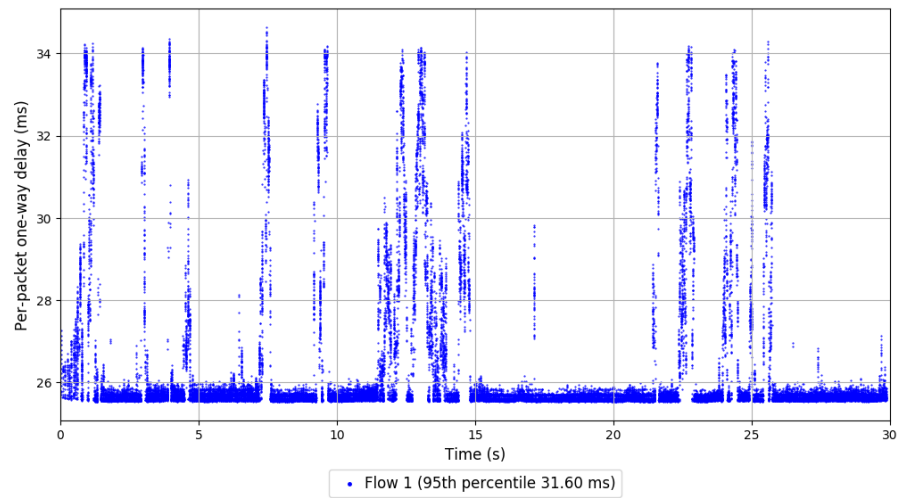
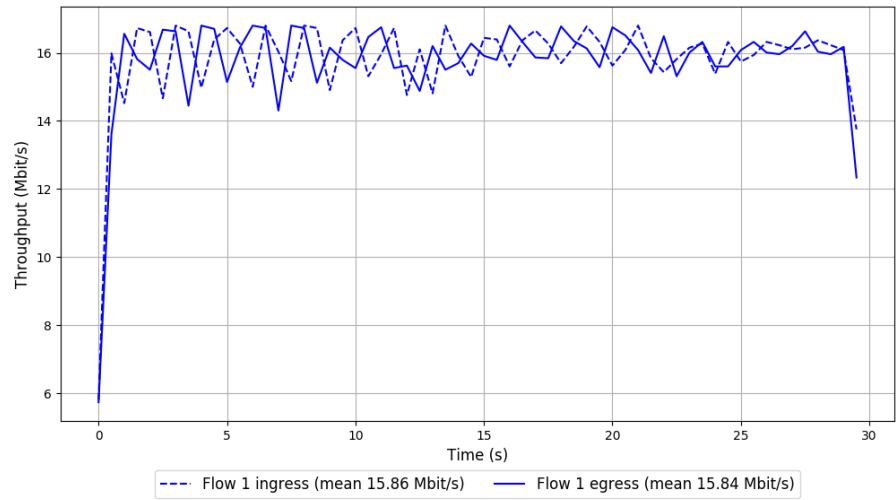


Run 5: Statistics of KohoCC

Start at: 2017-09-17 23:44:25  
End at: 2017-09-17 23:44:55  
Local clock offset: 0.787 ms  
Remote clock offset: -1.467 ms

# Below is generated by plot.py at 2017-09-18 05:21:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.84 Mbit/s  
95th percentile per-packet one-way delay: 31.604 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 15.84 Mbit/s  
95th percentile per-packet one-way delay: 31.604 ms  
Loss rate: 0.40%

### Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-09-18 00:04:51

End at: 2017-09-18 00:05:21

Local clock offset: 0.458 ms

Remote clock offset: 1.099 ms

# Below is generated by plot.py at 2017-09-18 05:21:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 26.078 ms

Loss rate: 0.44%

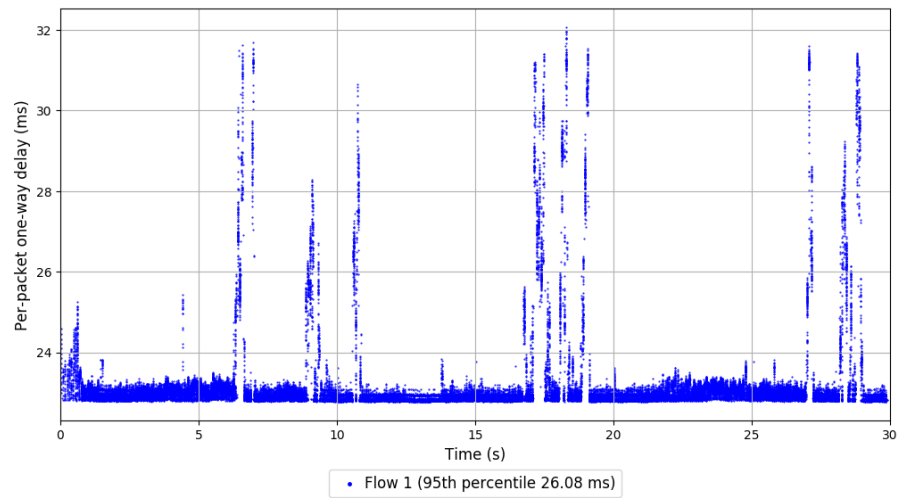
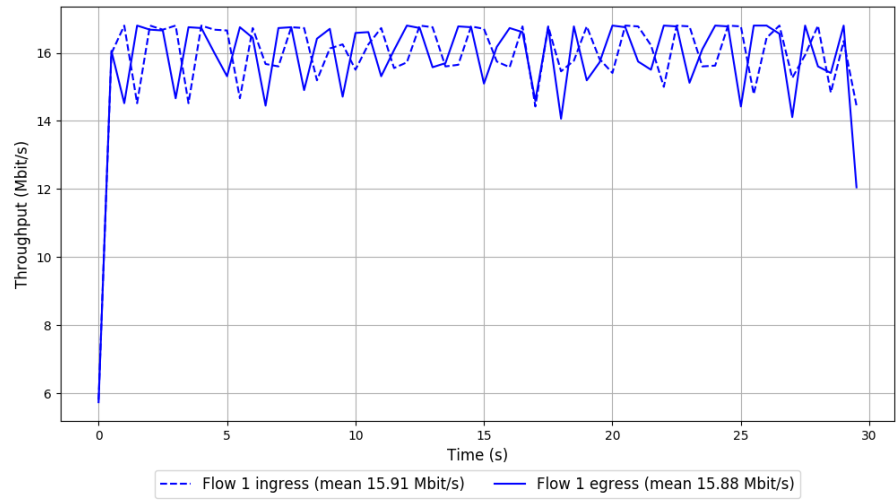
-- Flow 1:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 26.078 ms

Loss rate: 0.44%

## Run 6: Report of KohoCC — Data Link



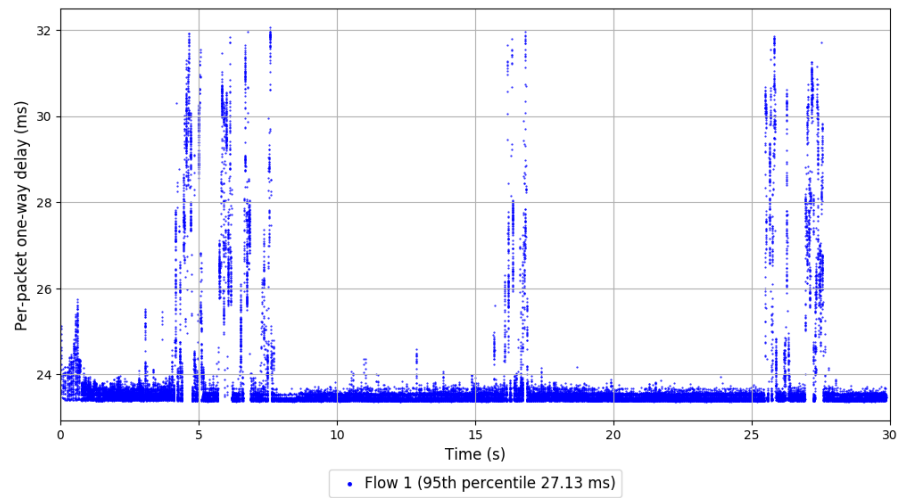
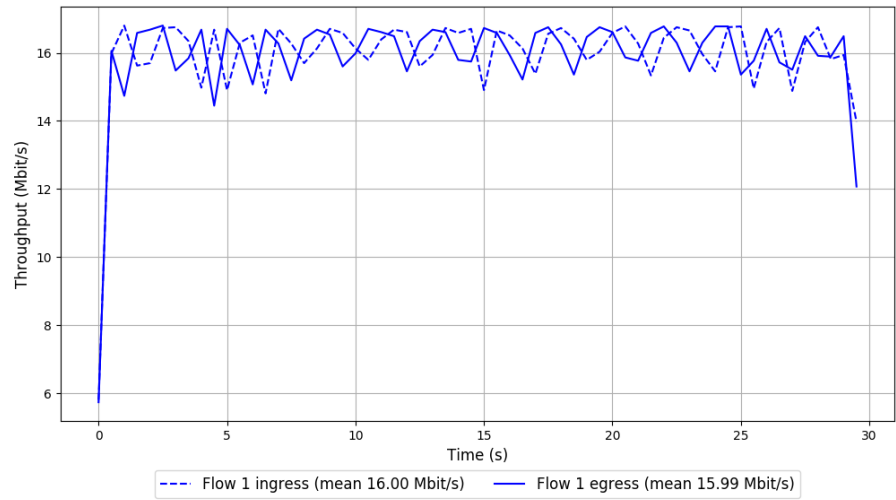
```
Run 7: Statistics of KohoCC

Start at: 2017-09-18 00:25:11
End at: 2017-09-18 00:25:41
Local clock offset: 0.459 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2017-09-18 05:21:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 27.129 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 27.129 ms
Loss rate: 0.33%
```



## Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: 2017-09-18 00:45:26

End at: 2017-09-18 00:45:56

Local clock offset: 0.801 ms

Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2017-09-18 05:21:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.85 Mbit/s

95th percentile per-packet one-way delay: 29.358 ms

Loss rate: 0.43%

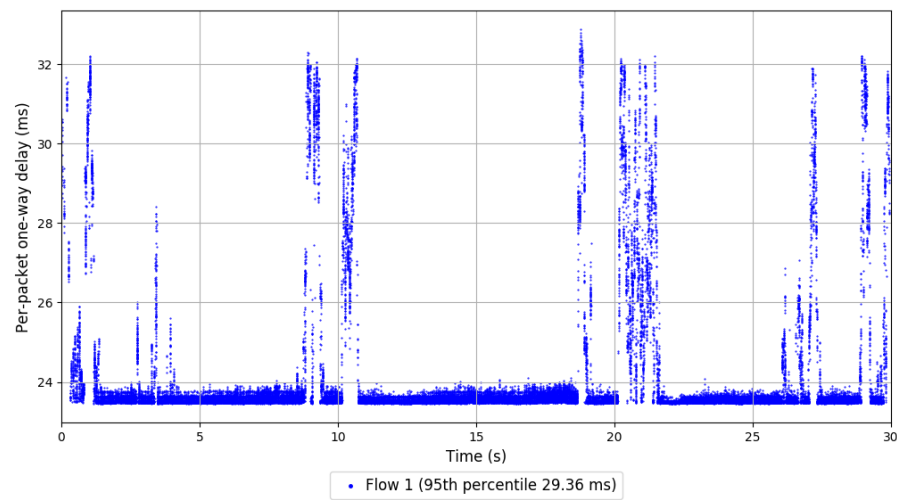
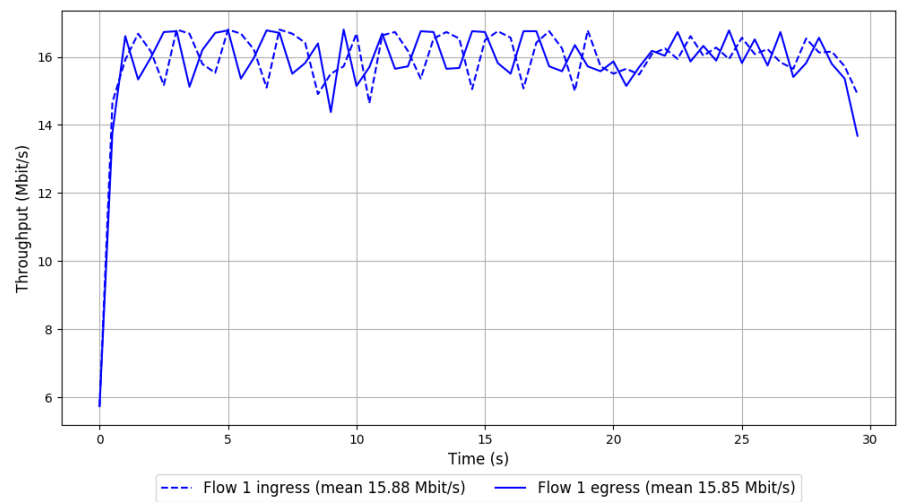
-- Flow 1:

Average throughput: 15.85 Mbit/s

95th percentile per-packet one-way delay: 29.358 ms

Loss rate: 0.43%

Run 8: Report of KohoCC — Data Link

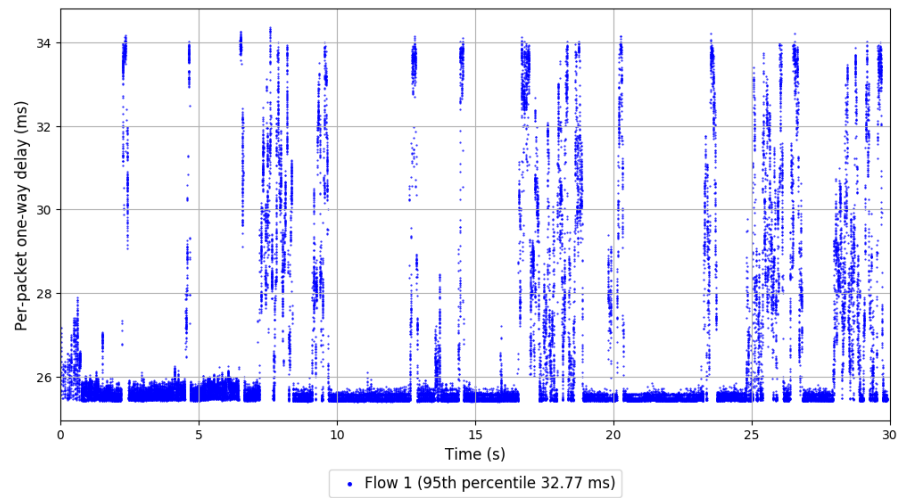
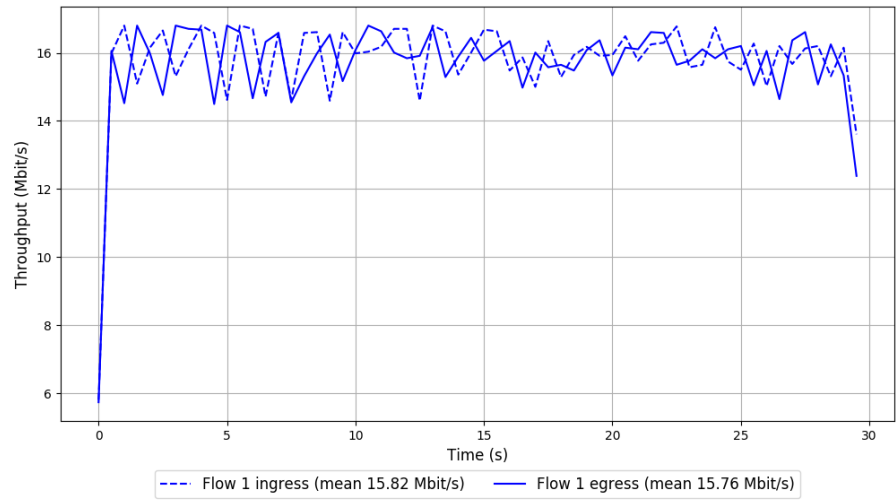


Run 9: Statistics of KohoCC

Start at: 2017-09-18 01:06:10  
End at: 2017-09-18 01:06:40  
Local clock offset: 0.822 ms  
Remote clock offset: -2.126 ms

# Below is generated by plot.py at 2017-09-18 05:21:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.76 Mbit/s  
95th percentile per-packet one-way delay: 32.772 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 15.76 Mbit/s  
95th percentile per-packet one-way delay: 32.772 ms  
Loss rate: 0.65%

### Run 9: Report of KohoCC — Data Link

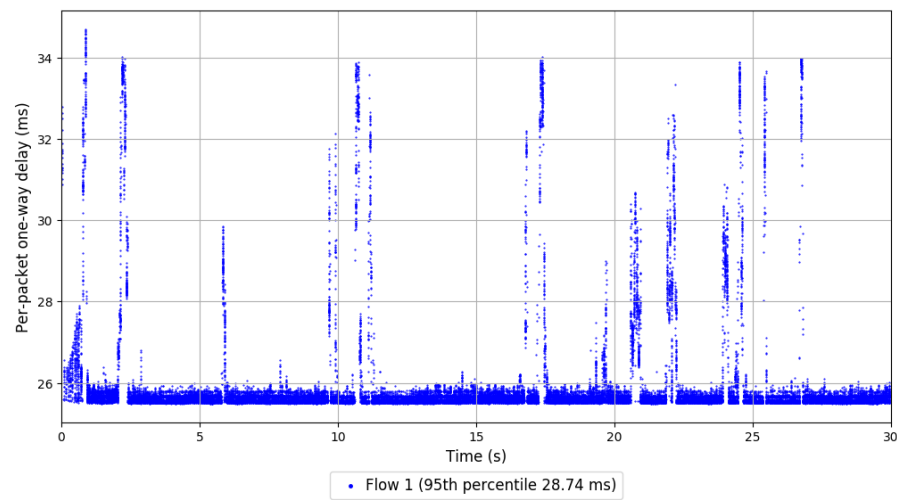
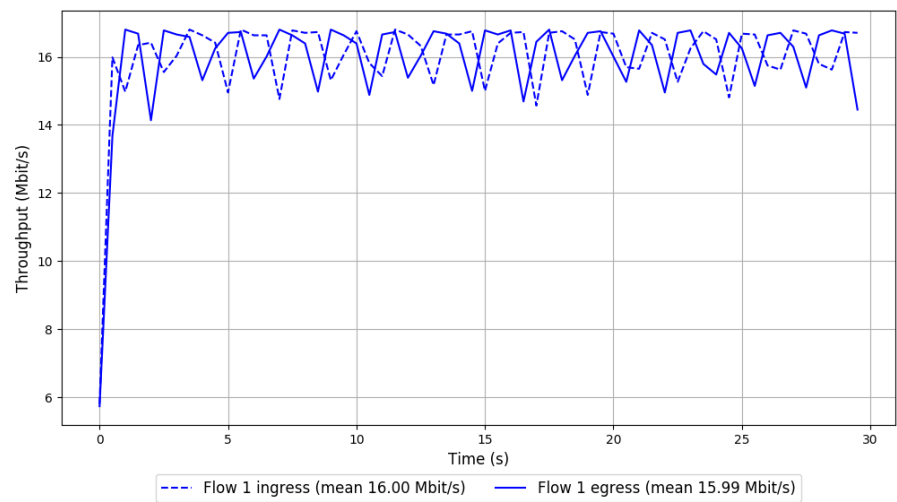


Run 10: Statistics of KohoCC

Start at: 2017-09-18 01:26:30  
End at: 2017-09-18 01:27:00  
Local clock offset: 0.481 ms  
Remote clock offset: -2.176 ms

# Below is generated by plot.py at 2017-09-18 05:21:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.99 Mbit/s  
95th percentile per-packet one-way delay: 28.738 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 15.99 Mbit/s  
95th percentile per-packet one-way delay: 28.738 ms  
Loss rate: 0.33%

Run 10: Report of KohoCC — Data Link



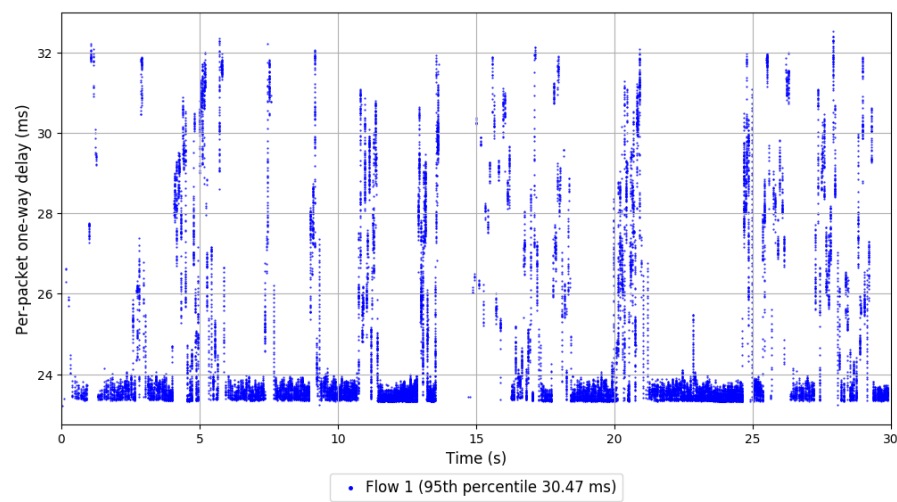
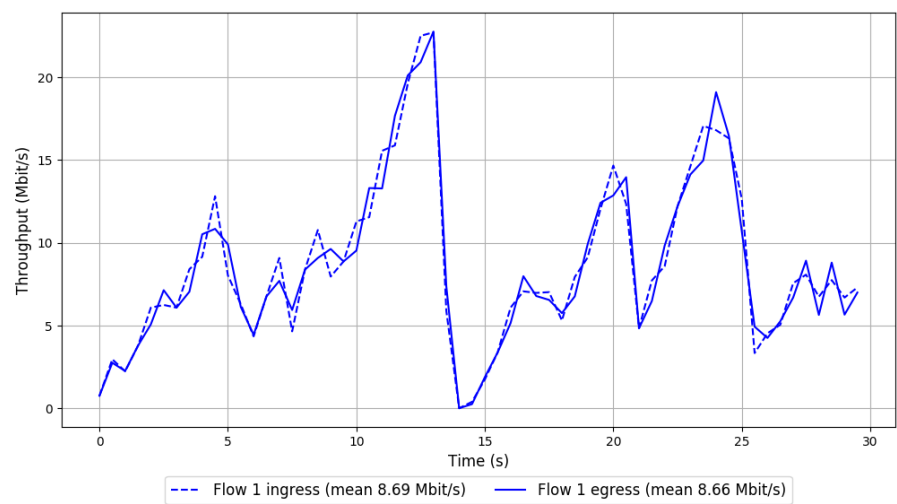
```
Run 1: Statistics of LEDBAT

Start at: 2017-09-17 22:28:20
End at: 2017-09-17 22:28:50
Local clock offset: -5.563 ms
Remote clock offset: -0.411 ms

# Below is generated by plot.py at 2017-09-18 05:21:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 30.468 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 30.468 ms
Loss rate: 0.59%
```



Run 1: Report of LEDBAT — Data Link

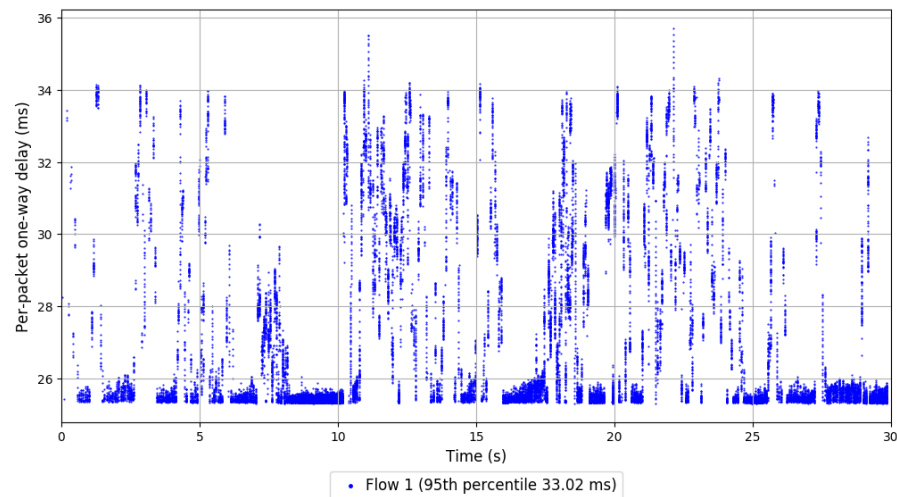
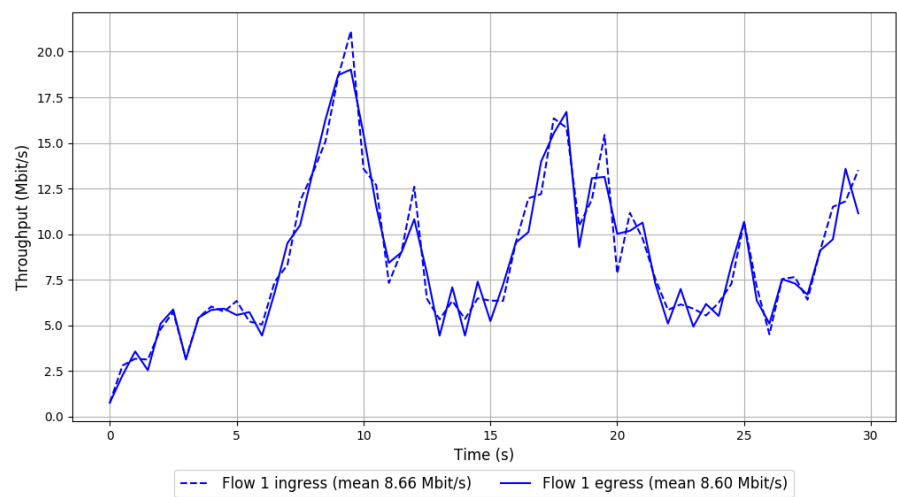


Run 2: Statistics of LEDBAT

Start at: 2017-09-17 22:49:05  
End at: 2017-09-17 22:49:35  
Local clock offset: -6.272 ms  
Remote clock offset: -1.818 ms

# Below is generated by plot.py at 2017-09-18 05:21:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.60 Mbit/s  
95th percentile per-packet one-way delay: 33.025 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 8.60 Mbit/s  
95th percentile per-packet one-way delay: 33.025 ms  
Loss rate: 0.92%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-09-17 23:09:25

End at: 2017-09-17 23:09:55

Local clock offset: 0.626 ms

Remote clock offset: 1.068 ms

# Below is generated by plot.py at 2017-09-18 05:21:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 28.854 ms

Loss rate: 0.36%

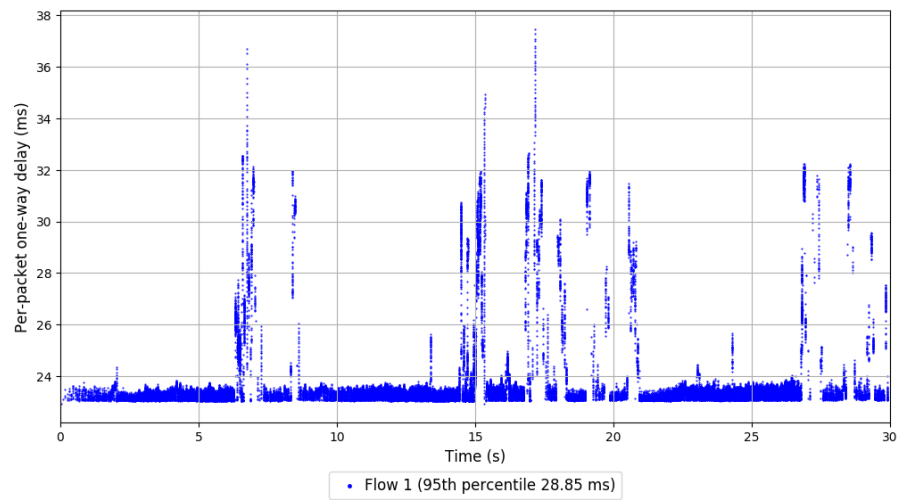
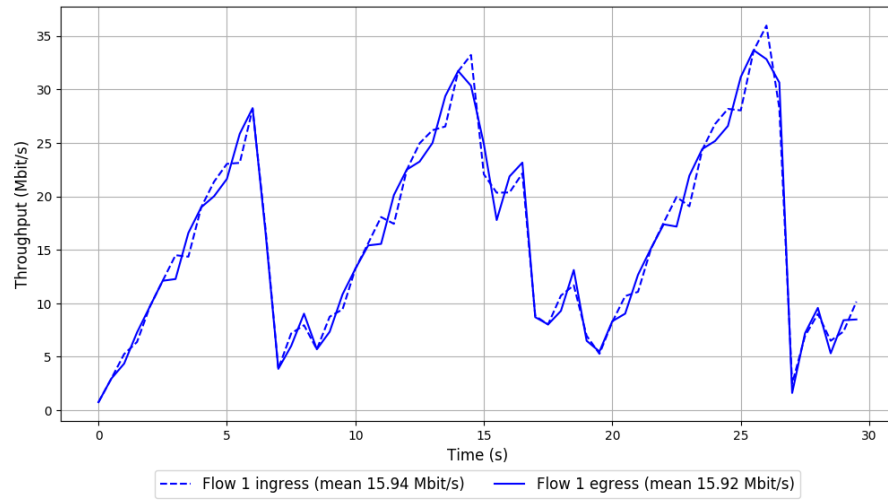
-- Flow 1:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 28.854 ms

Loss rate: 0.36%

### Run 3: Report of LEDBAT — Data Link

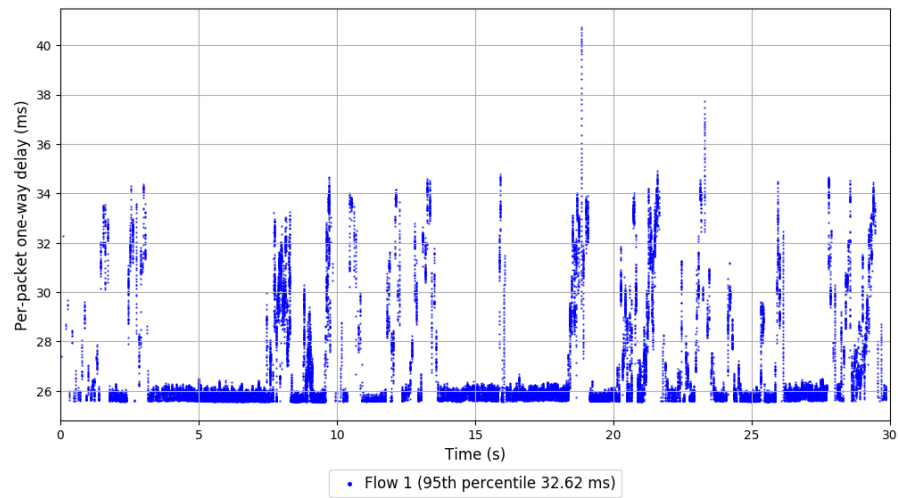
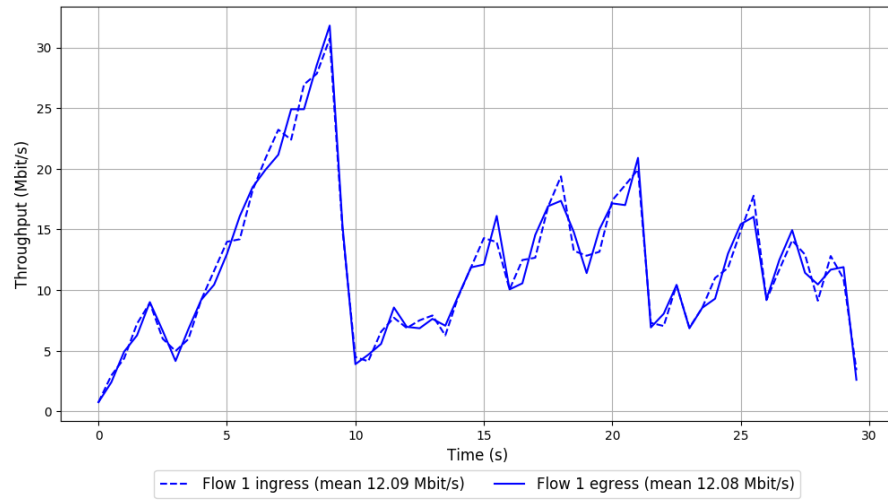


Run 4: Statistics of LEDBAT

Start at: 2017-09-17 23:30:15  
End at: 2017-09-17 23:30:45  
Local clock offset: 0.746 ms  
Remote clock offset: -1.556 ms

# Below is generated by plot.py at 2017-09-18 05:21:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.08 Mbit/s  
95th percentile per-packet one-way delay: 32.618 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 12.08 Mbit/s  
95th percentile per-packet one-way delay: 32.618 ms  
Loss rate: 0.32%

#### Run 4: Report of LEDBAT — Data Link



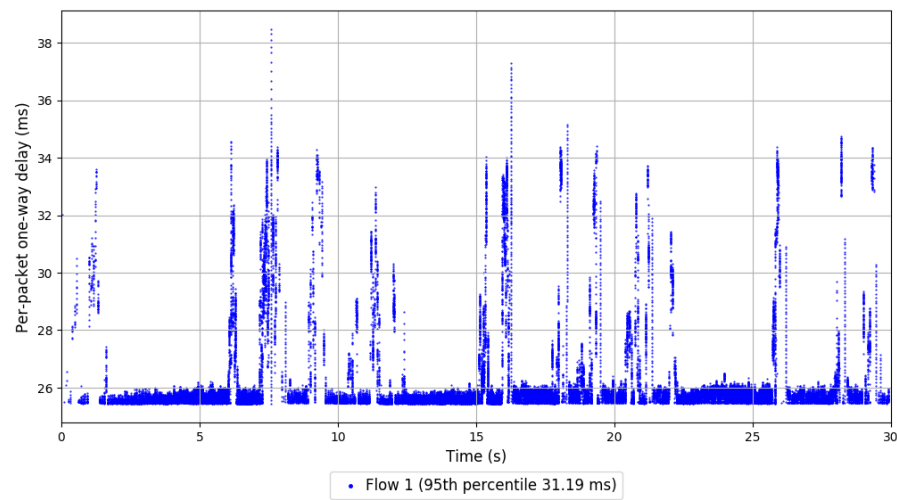
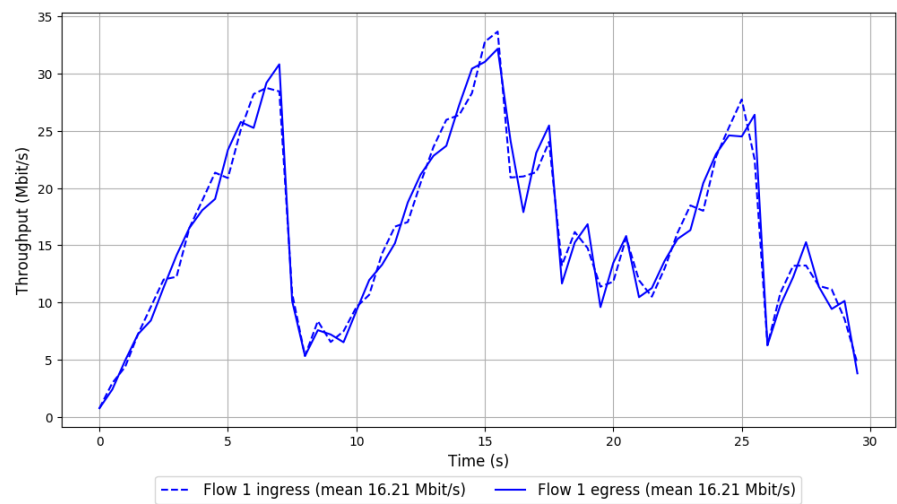
Run 5: Statistics of LEDBAT

Start at: 2017-09-17 23:50:59  
End at: 2017-09-17 23:51:29  
Local clock offset: 0.653 ms  
Remote clock offset: -1.535 ms

# Below is generated by plot.py at 2017-09-18 05:21:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.21 Mbit/s  
95th percentile per-packet one-way delay: 31.194 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 16.21 Mbit/s  
95th percentile per-packet one-way delay: 31.194 ms  
Loss rate: 0.28%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-09-18 00:11:20

End at: 2017-09-18 00:11:50

Local clock offset: 0.321 ms

Remote clock offset: 0.426 ms

# Below is generated by plot.py at 2017-09-18 05:21:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.44 Mbit/s

95th percentile per-packet one-way delay: 28.727 ms

Loss rate: 0.34%

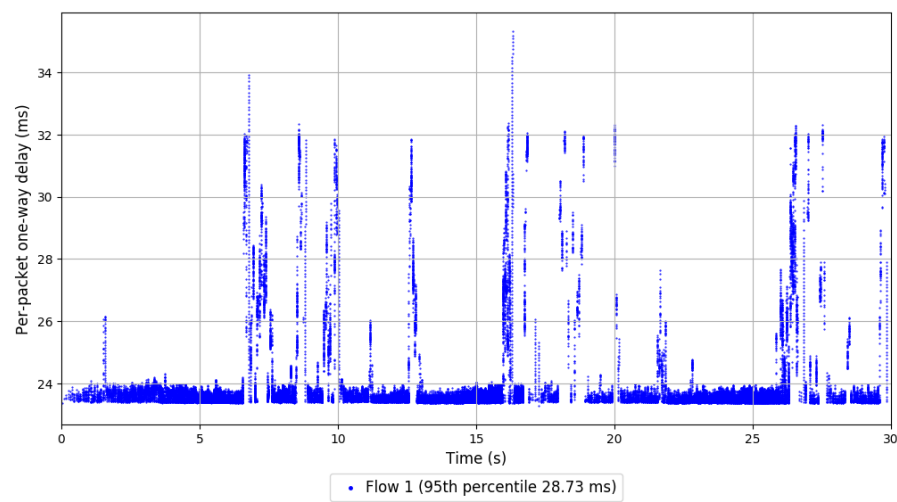
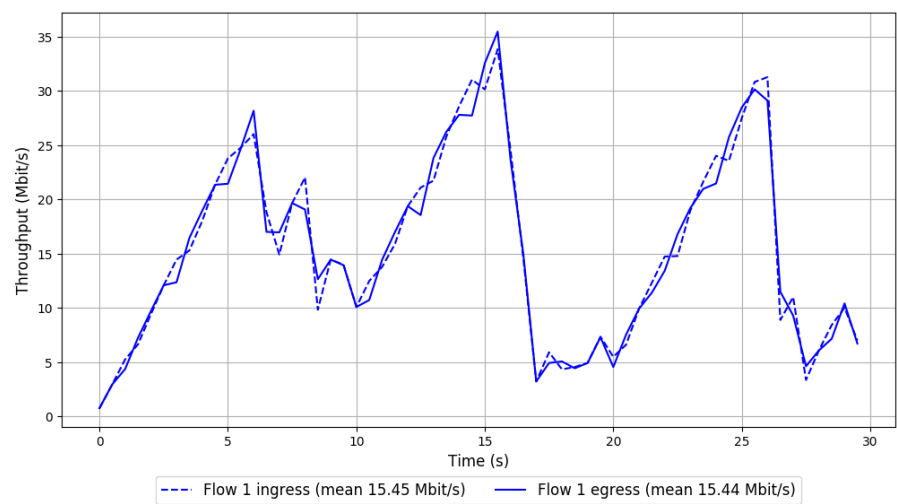
-- Flow 1:

Average throughput: 15.44 Mbit/s

95th percentile per-packet one-way delay: 28.727 ms

Loss rate: 0.34%

Run 6: Report of LEDBAT — Data Link

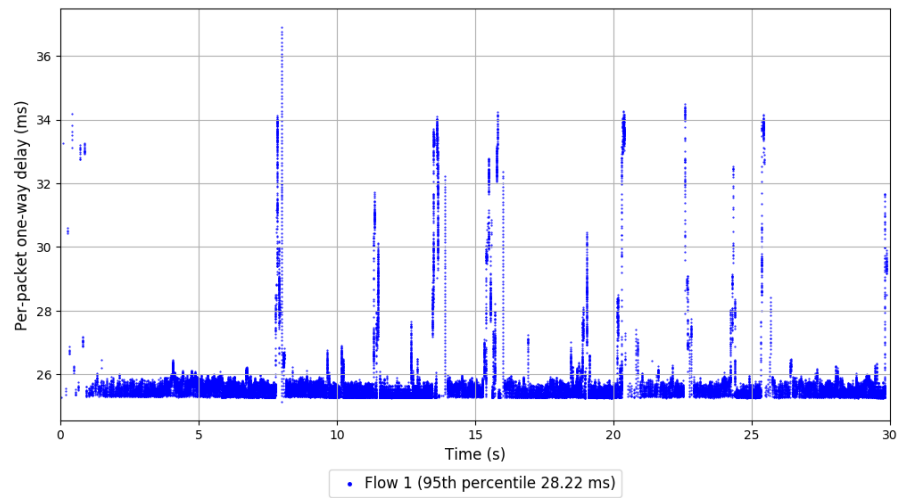
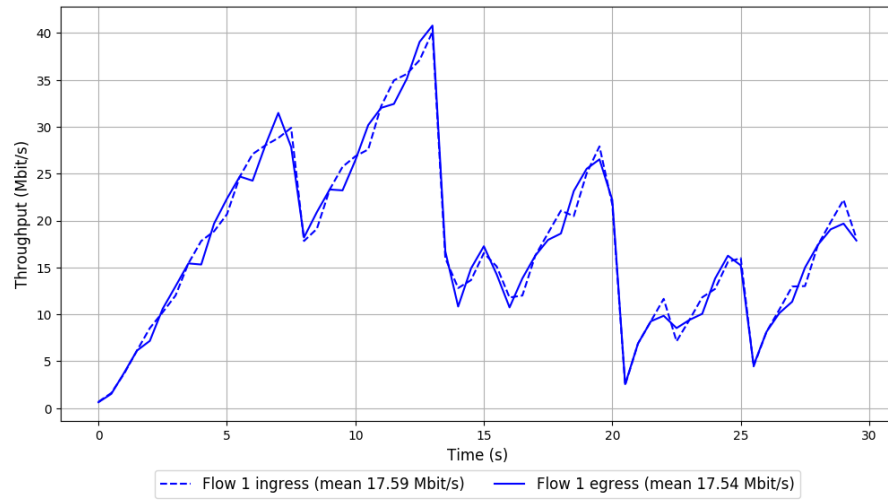


Run 7: Statistics of LEDBAT

Start at: 2017-09-18 00:31:40  
End at: 2017-09-18 00:32:10  
Local clock offset: 0.539 ms  
Remote clock offset: -1.844 ms

# Below is generated by plot.py at 2017-09-18 05:21:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 17.54 Mbit/s  
95th percentile per-packet one-way delay: 28.223 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 17.54 Mbit/s  
95th percentile per-packet one-way delay: 28.223 ms  
Loss rate: 0.54%

## Run 7: Report of LEDBAT — Data Link

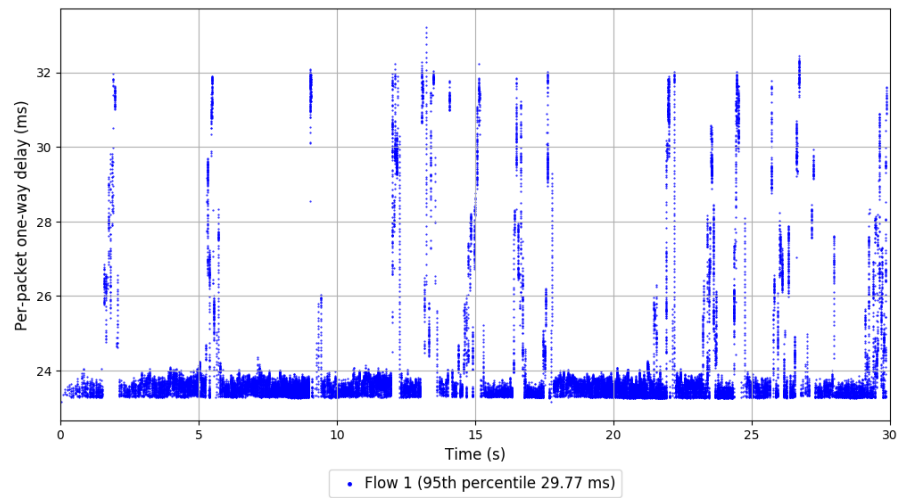
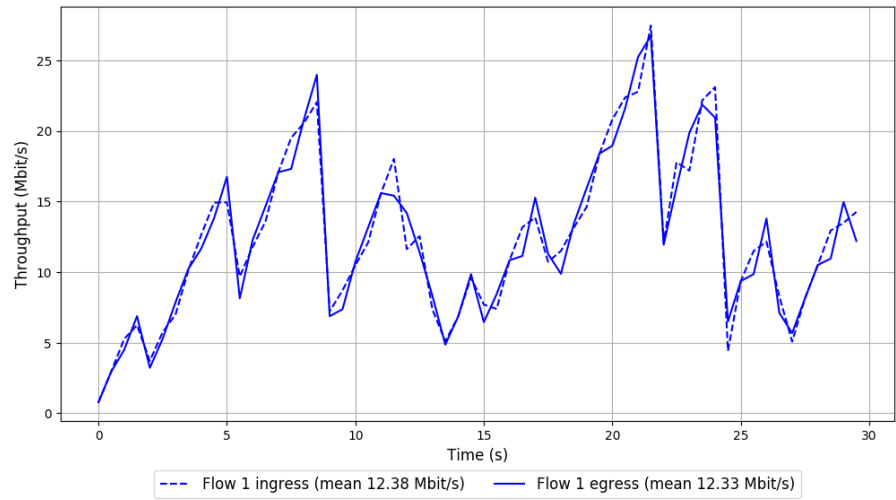


Run 8: Statistics of LEDBAT

Start at: 2017-09-18 00:52:02  
End at: 2017-09-18 00:52:32  
Local clock offset: 0.759 ms  
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2017-09-18 05:21:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.33 Mbit/s  
95th percentile per-packet one-way delay: 29.775 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 12.33 Mbit/s  
95th percentile per-packet one-way delay: 29.775 ms  
Loss rate: 0.66%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-09-18 01:12:47

End at: 2017-09-18 01:13:17

Local clock offset: 0.672 ms

Remote clock offset: 0.349 ms

# Below is generated by plot.py at 2017-09-18 05:21:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.23 Mbit/s

95th percentile per-packet one-way delay: 29.806 ms

Loss rate: 0.59%

-- Flow 1:

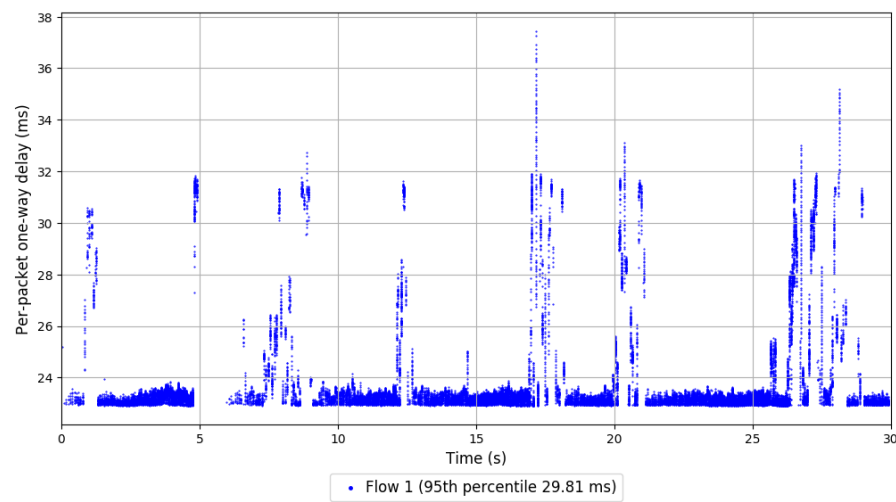
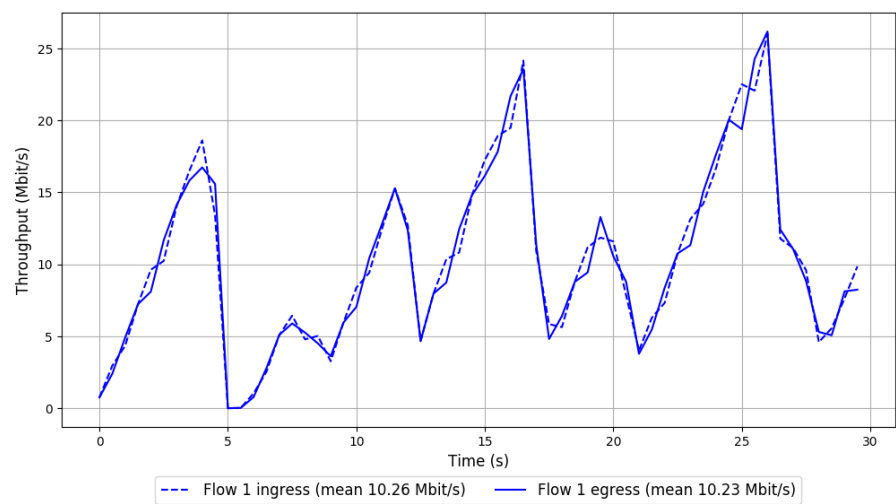
Average throughput: 10.23 Mbit/s

95th percentile per-packet one-way delay: 29.806 ms

Loss rate: 0.59%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-09-18 01:33:05

End at: 2017-09-18 01:33:35

Local clock offset: 0.277 ms

Remote clock offset: 0.317 ms

# Below is generated by plot.py at 2017-09-18 05:21:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 30.419 ms

Loss rate: 0.60%

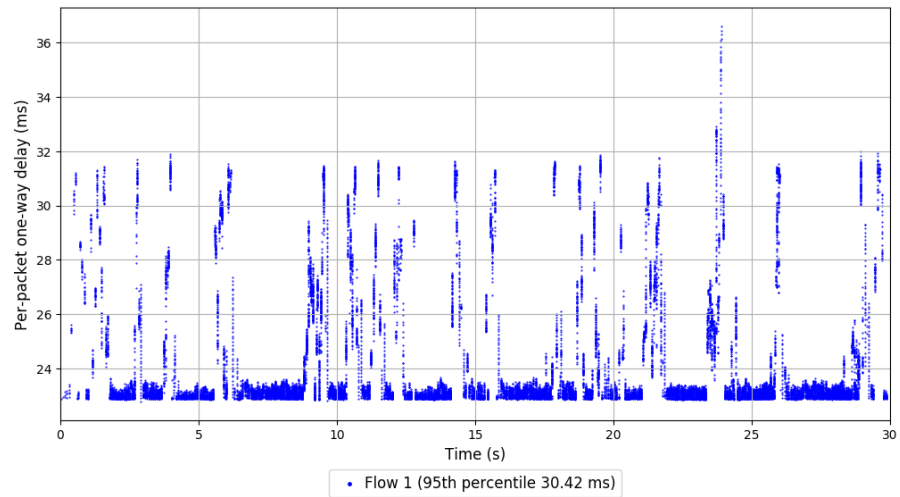
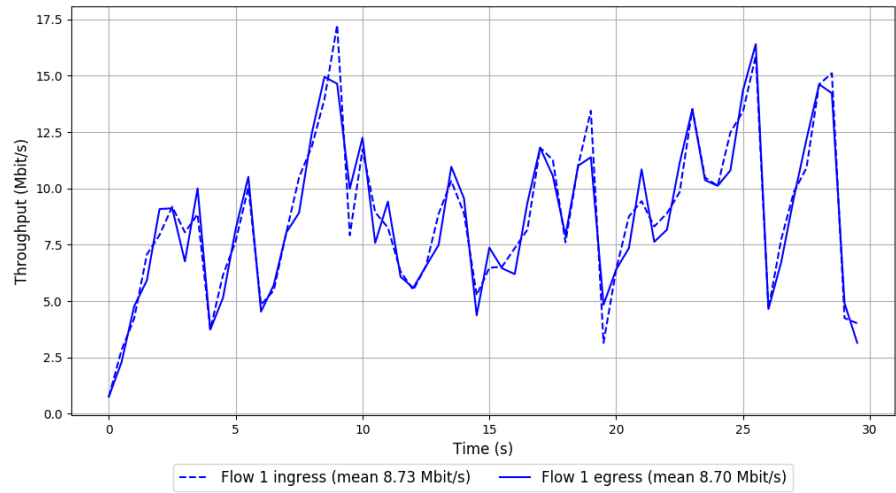
-- Flow 1:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 30.419 ms

Loss rate: 0.60%

## Run 10: Report of LEDBAT — Data Link

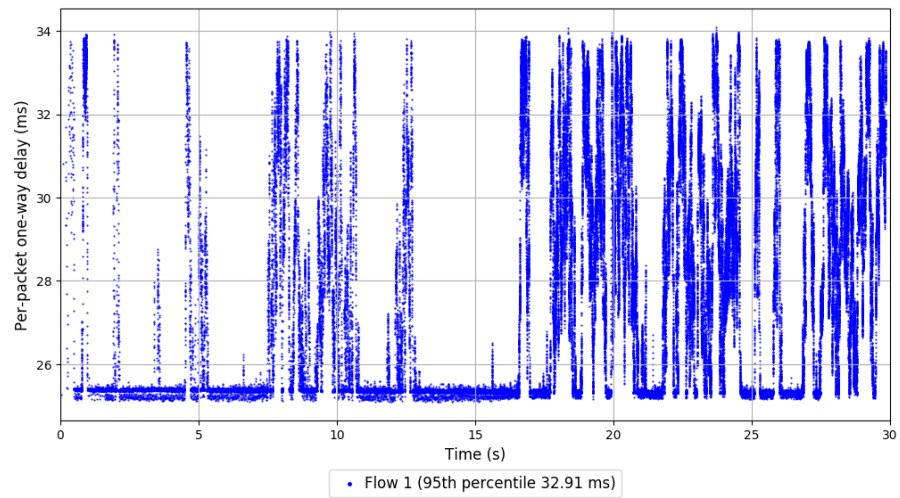
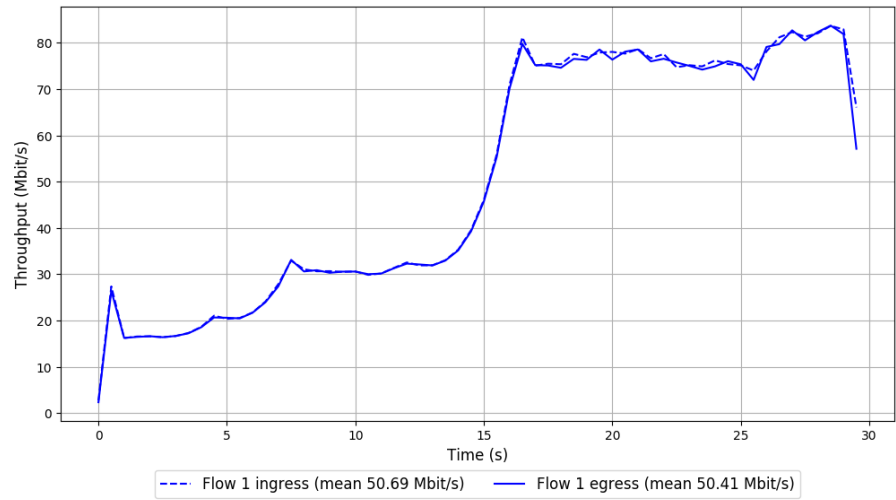


```
Run 1: Statistics of PCC

Start at: 2017-09-17 22:26:58
End at: 2017-09-17 22:27:28
Local clock offset: -5.683 ms
Remote clock offset: -2.425 ms

# Below is generated by plot.py at 2017-09-18 05:21:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 32.910 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 32.910 ms
Loss rate: 0.80%
```

### Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-09-17 22:47:41

End at: 2017-09-17 22:48:11

Local clock offset: -6.435 ms

Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2017-09-18 05:21:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 31.214 ms

Loss rate: 0.67%

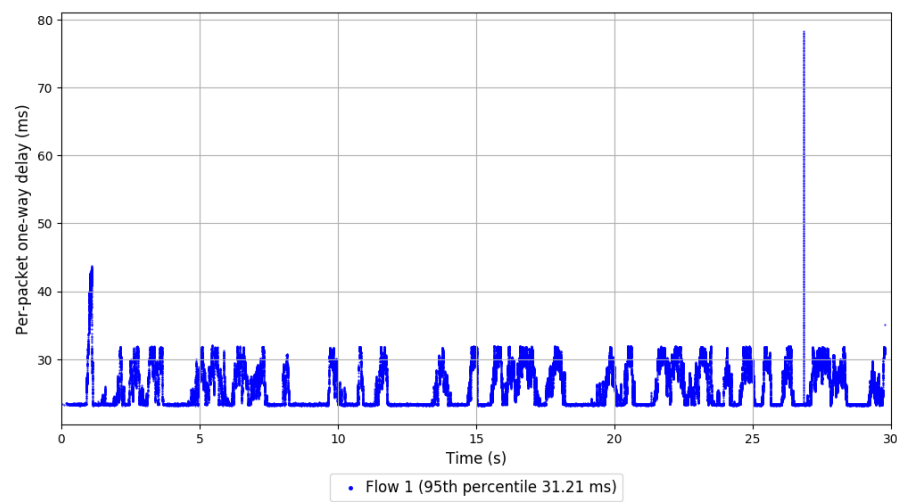
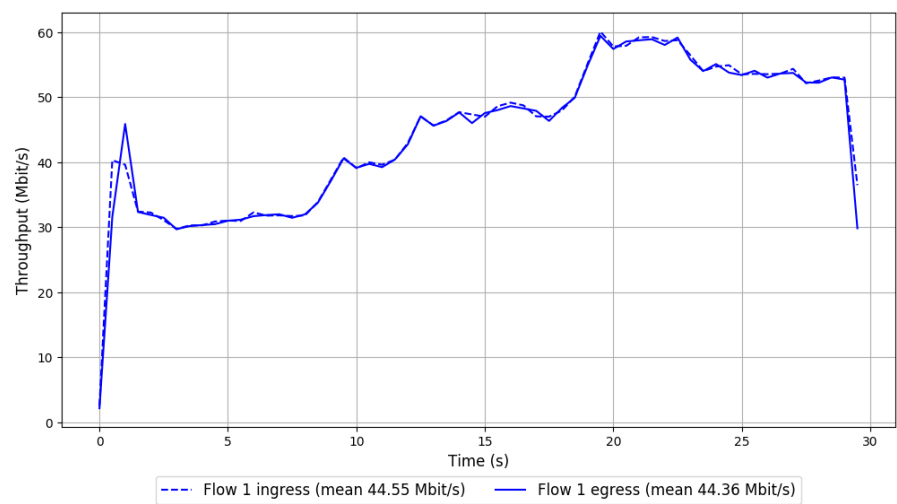
-- Flow 1:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 31.214 ms

Loss rate: 0.67%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-17 23:08:03

End at: 2017-09-17 23:08:33

Local clock offset: 0.678 ms

Remote clock offset: -1.46 ms

# Below is generated by plot.py at 2017-09-18 05:22:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 40.092 ms

Loss rate: 0.72%

-- Flow 1:

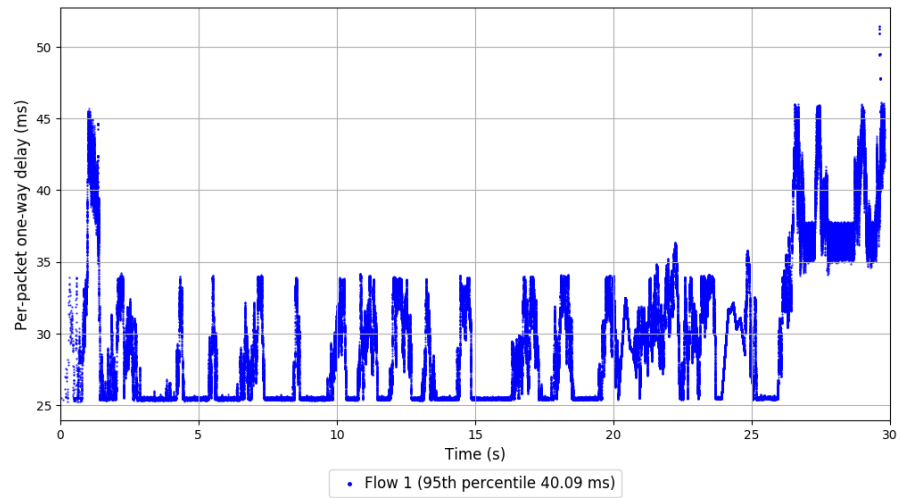
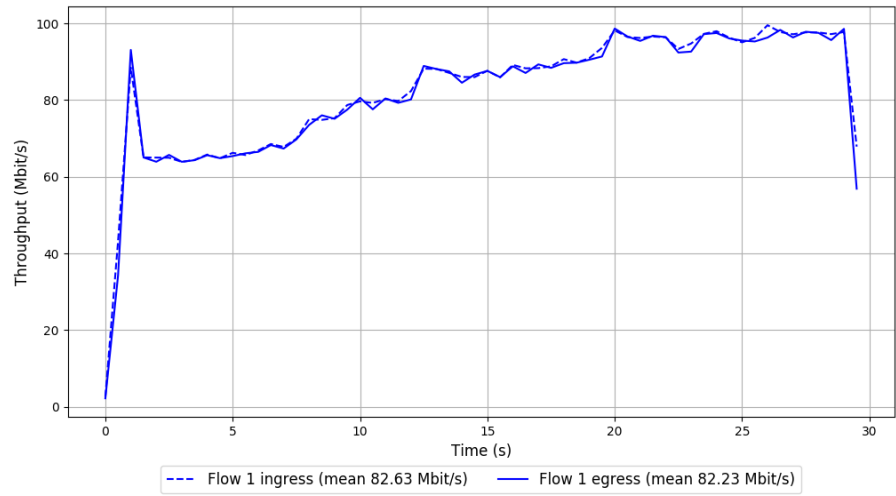
Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 40.092 ms

Loss rate: 0.72%



### Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-17 23:28:50

End at: 2017-09-17 23:29:20

Local clock offset: 0.63 ms

Remote clock offset: 0.608 ms

# Below is generated by plot.py at 2017-09-18 05:22:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.91 Mbit/s

95th percentile per-packet one-way delay: 31.535 ms

Loss rate: 0.66%

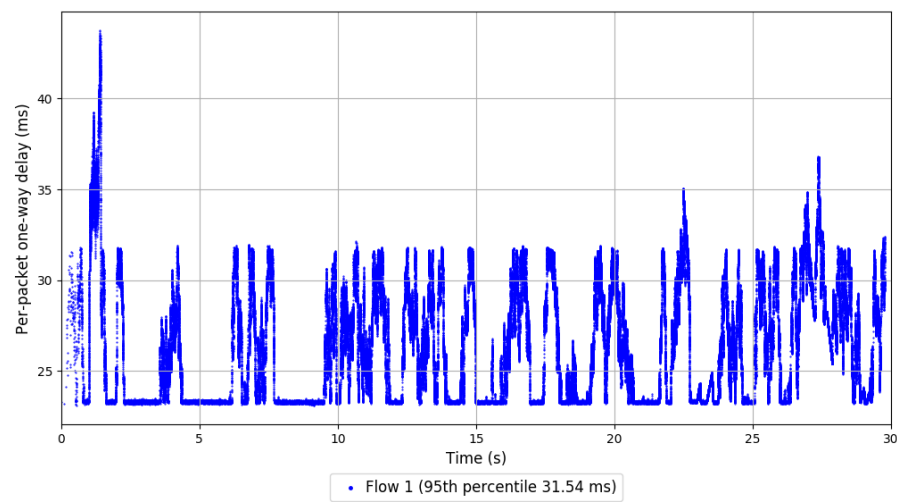
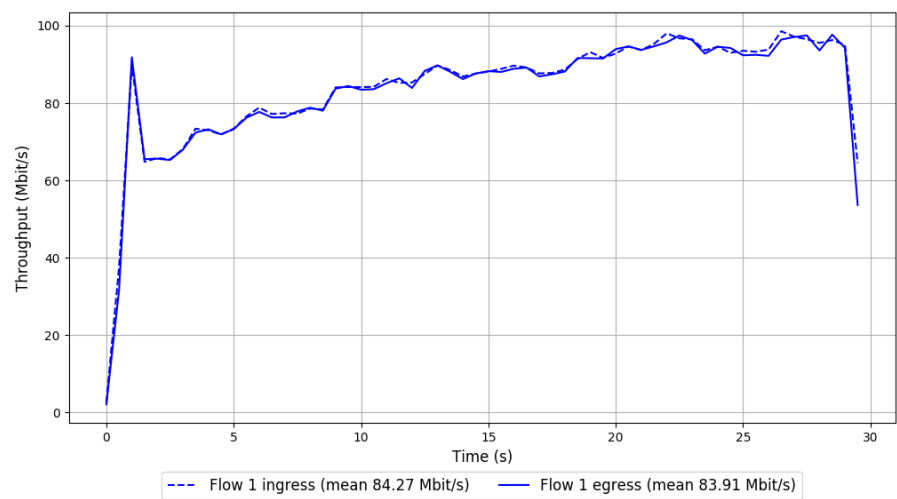
-- Flow 1:

Average throughput: 83.91 Mbit/s

95th percentile per-packet one-way delay: 31.535 ms

Loss rate: 0.66%

Run 4: Report of PCC — Data Link

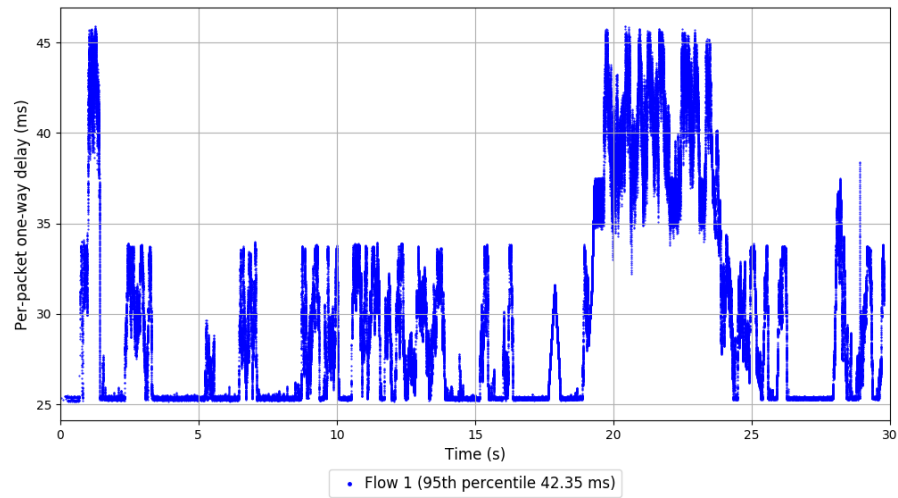
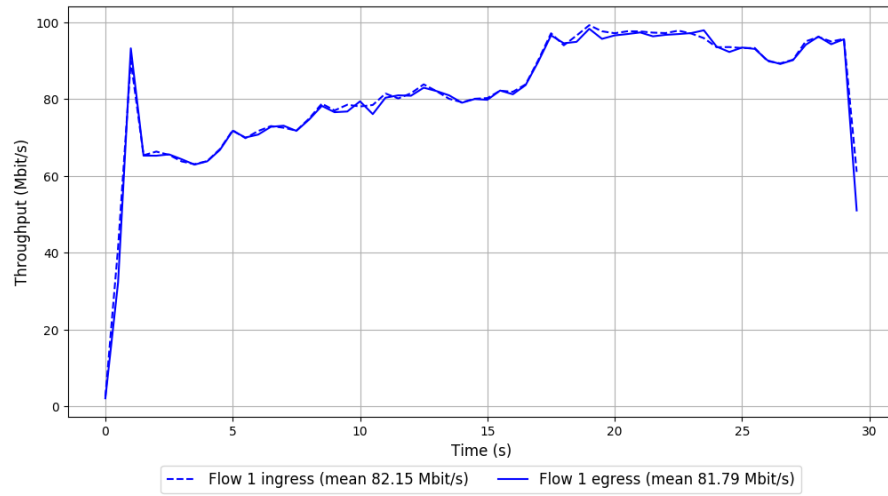


Run 5: Statistics of PCC

Start at: 2017-09-17 23:49:37  
End at: 2017-09-17 23:50:07  
Local clock offset: 0.679 ms  
Remote clock offset: -1.402 ms

# Below is generated by plot.py at 2017-09-18 05:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.79 Mbit/s  
95th percentile per-packet one-way delay: 42.354 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 81.79 Mbit/s  
95th percentile per-packet one-way delay: 42.354 ms  
Loss rate: 0.69%

### Run 5: Report of PCC — Data Link

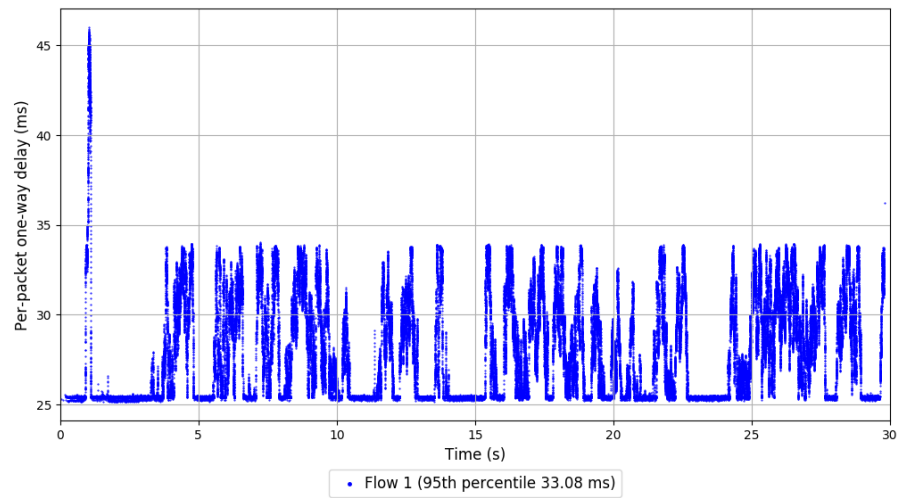
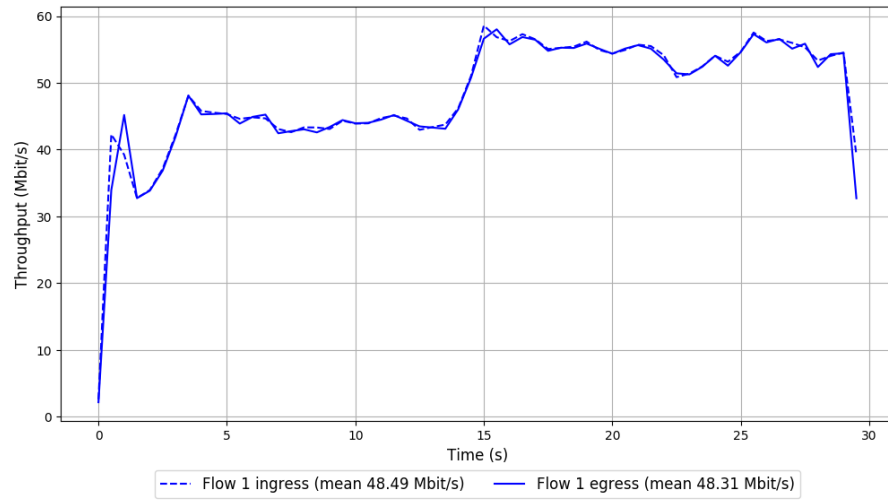


Run 6: Statistics of PCC

Start at: 2017-09-18 00:10:01  
End at: 2017-09-18 00:10:31  
Local clock offset: 0.349 ms  
Remote clock offset: -1.583 ms

# Below is generated by plot.py at 2017-09-18 05:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.31 Mbit/s  
95th percentile per-packet one-way delay: 33.081 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 48.31 Mbit/s  
95th percentile per-packet one-way delay: 33.081 ms  
Loss rate: 0.61%

### Run 6: Report of PCC — Data Link



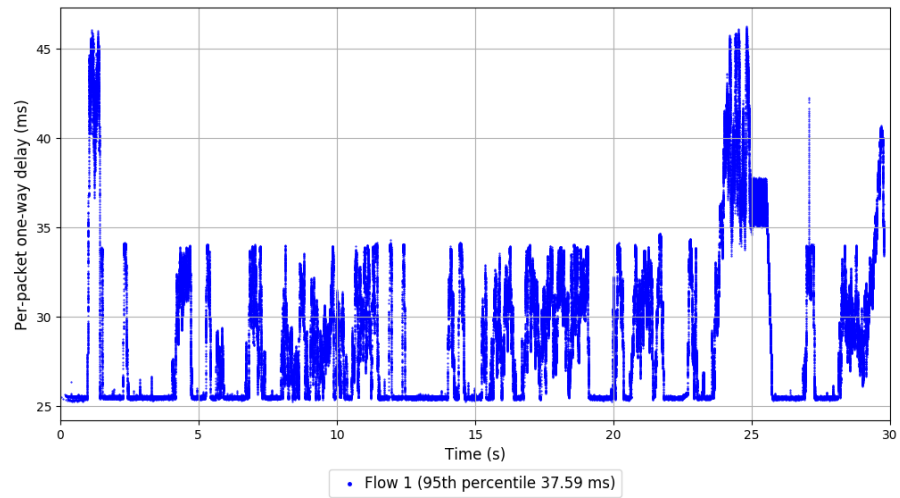
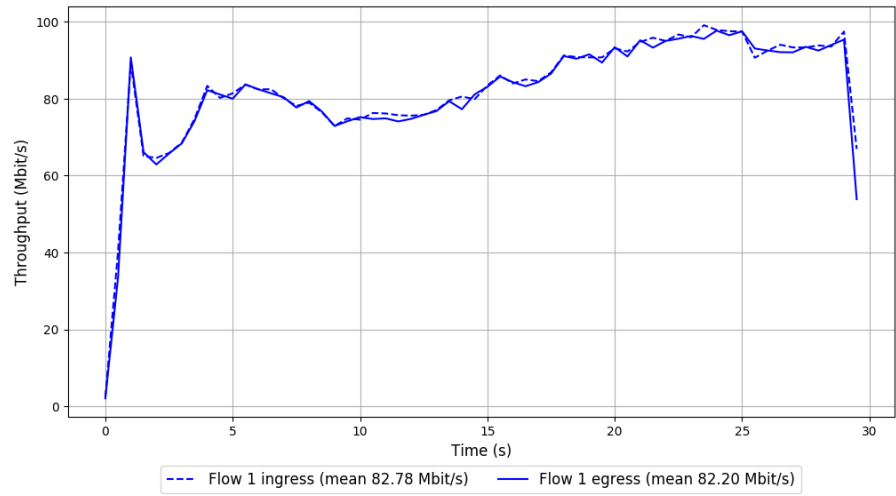
Run 7: Statistics of PCC

Start at: 2017-09-18 00:30:20  
End at: 2017-09-18 00:30:50  
Local clock offset: 0.605 ms  
Remote clock offset: -1.883 ms

# Below is generated by plot.py at 2017-09-18 05:22:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.20 Mbit/s  
95th percentile per-packet one-way delay: 37.591 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 82.20 Mbit/s  
95th percentile per-packet one-way delay: 37.591 ms  
Loss rate: 0.94%



### Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-09-18 00:50:39

End at: 2017-09-18 00:51:09

Local clock offset: 0.842 ms

Remote clock offset: 0.351 ms

# Below is generated by plot.py at 2017-09-18 05:22:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.83 Mbit/s

95th percentile per-packet one-way delay: 31.200 ms

Loss rate: 0.71%

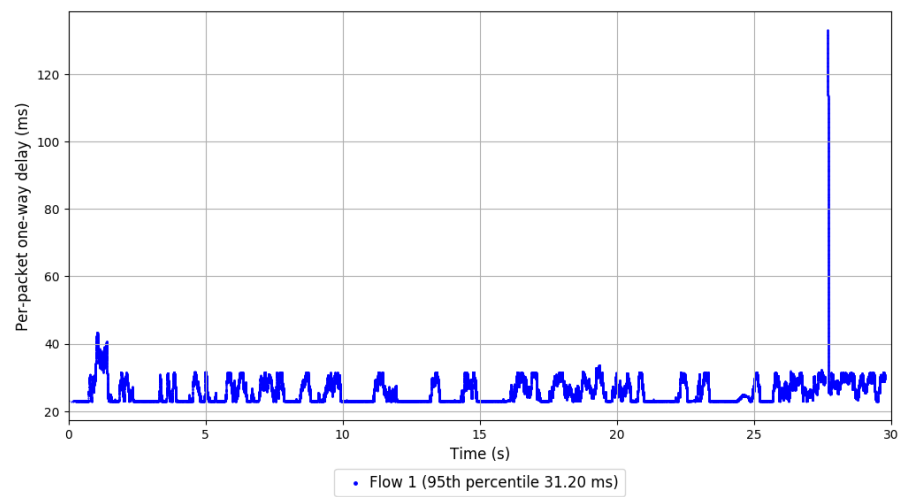
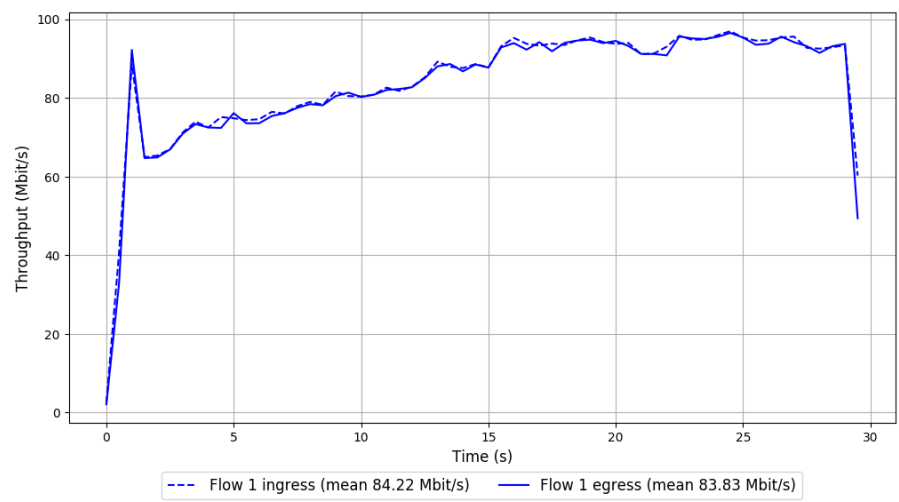
-- Flow 1:

Average throughput: 83.83 Mbit/s

95th percentile per-packet one-way delay: 31.200 ms

Loss rate: 0.71%

Run 8: Report of PCC — Data Link

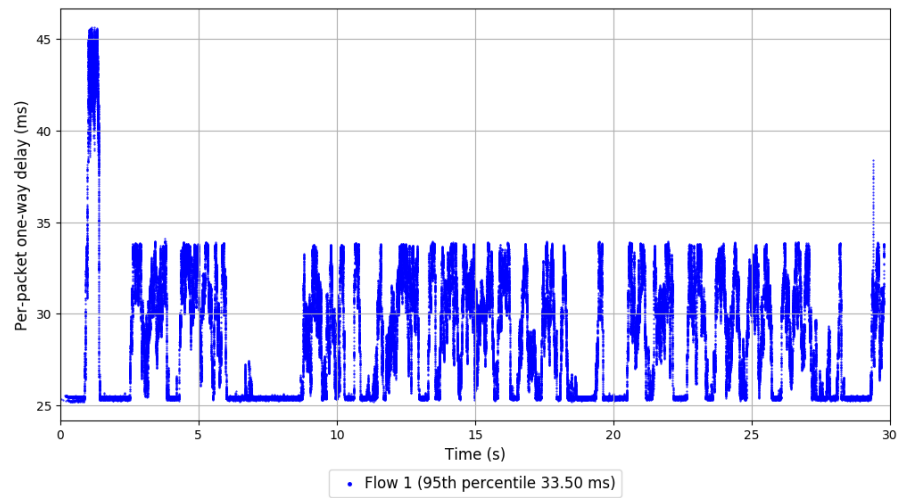
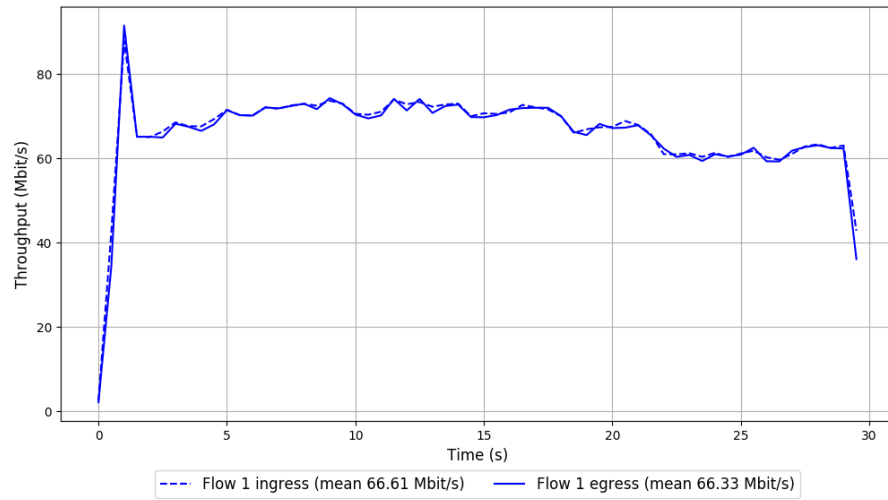


Run 9: Statistics of PCC

Start at: 2017-09-18 01:11:22  
End at: 2017-09-18 01:11:53  
Local clock offset: 0.681 ms  
Remote clock offset: -2.222 ms

# Below is generated by plot.py at 2017-09-18 05:22:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.33 Mbit/s  
95th percentile per-packet one-way delay: 33.501 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 66.33 Mbit/s  
95th percentile per-packet one-way delay: 33.501 ms  
Loss rate: 0.67%

### Run 9: Report of PCC — Data Link

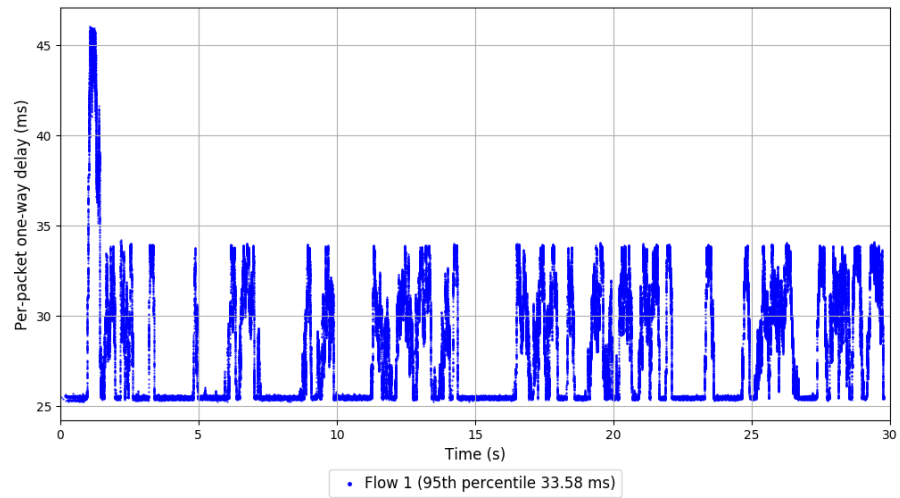
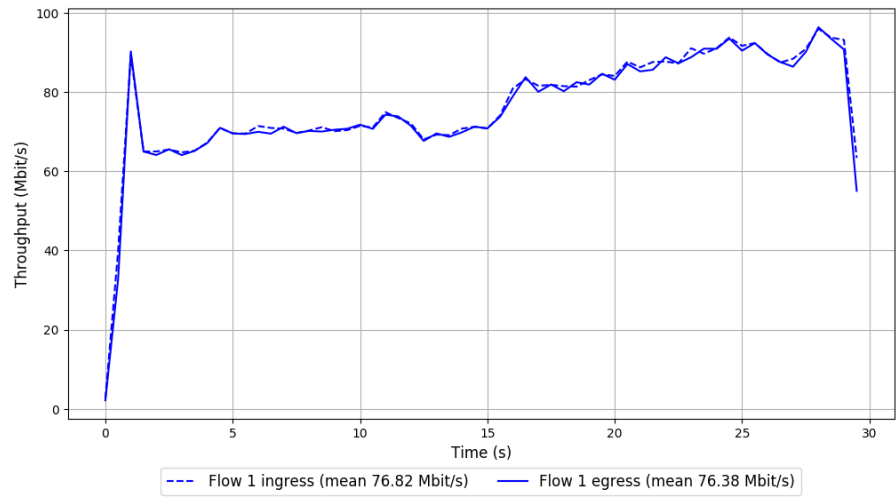


Run 10: Statistics of PCC

Start at: 2017-09-18 01:31:42  
End at: 2017-09-18 01:32:12  
Local clock offset: 0.312 ms  
Remote clock offset: -2.255 ms

# Below is generated by plot.py at 2017-09-18 05:23:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.38 Mbit/s  
95th percentile per-packet one-way delay: 33.576 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 76.38 Mbit/s  
95th percentile per-packet one-way delay: 33.576 ms  
Loss rate: 0.81%

# Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-09-17 22:29:38

End at: 2017-09-17 22:30:08

Local clock offset: -5.441 ms

Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2017-09-18 05:23:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.20 Mbit/s

95th percentile per-packet one-way delay: 29.959 ms

Loss rate: 0.45%

-- Flow 1:

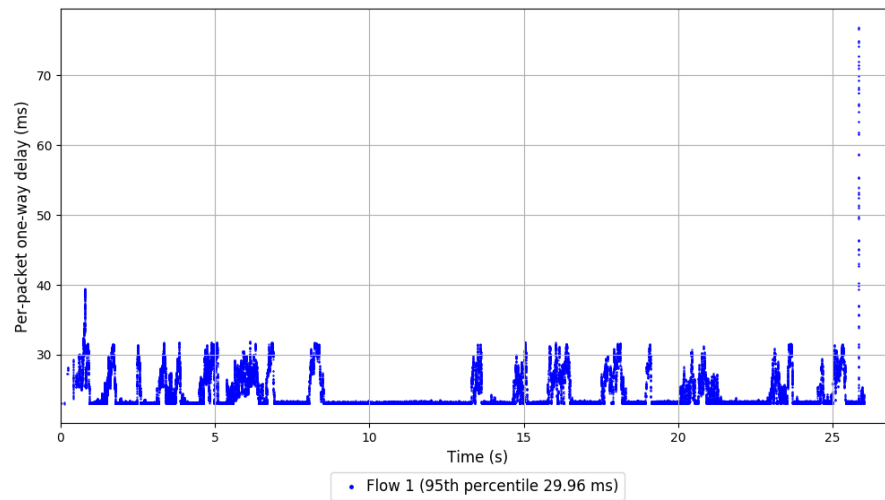
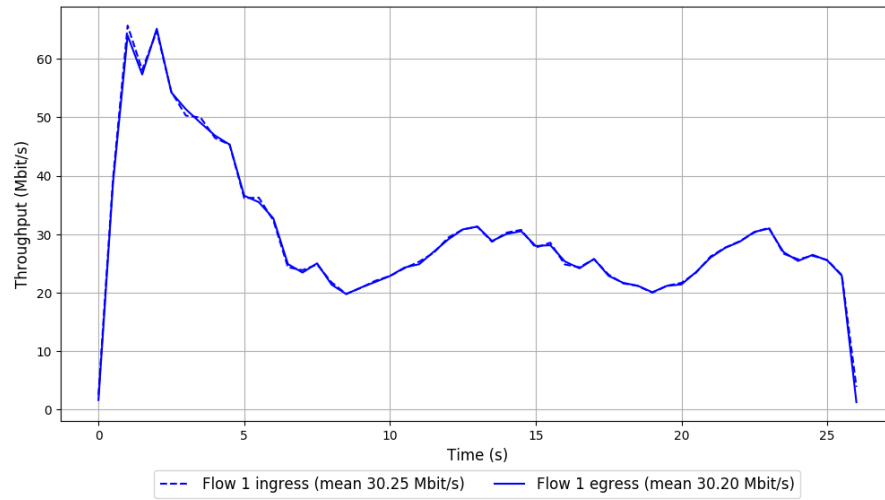
Average throughput: 30.20 Mbit/s

95th percentile per-packet one-way delay: 29.959 ms

Loss rate: 0.45%



### Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-17 22:50:25

End at: 2017-09-17 22:50:55

Local clock offset: -6.072 ms

Remote clock offset: -1.9 ms

# Below is generated by plot.py at 2017-09-18 05:23:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 25.91 Mbit/s

95th percentile per-packet one-way delay: 34.024 ms

Loss rate: 0.62%

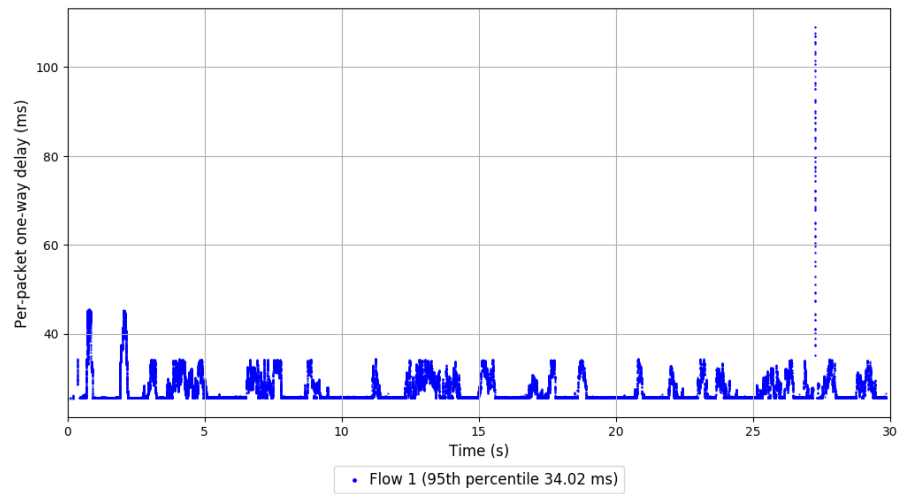
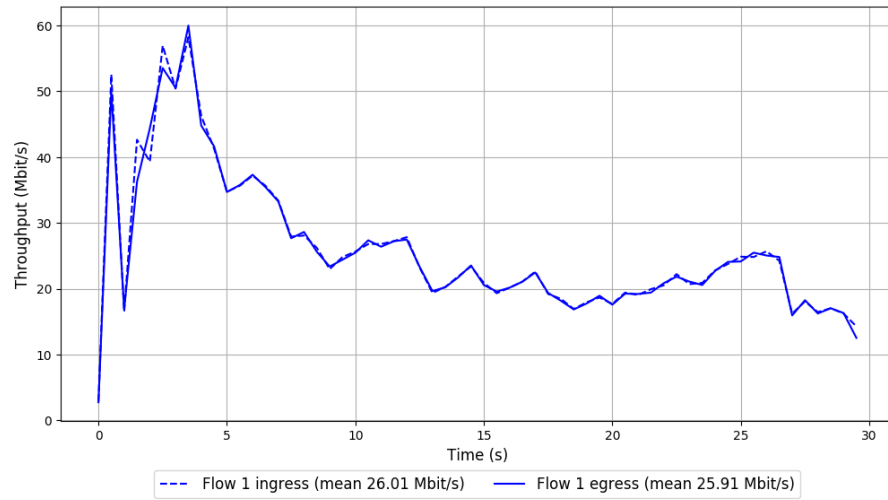
-- Flow 1:

Average throughput: 25.91 Mbit/s

95th percentile per-packet one-way delay: 34.024 ms

Loss rate: 0.62%

## Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-17 23:10:44

End at: 2017-09-17 23:11:14

Local clock offset: 0.521 ms

Remote clock offset: 0.521 ms

# Below is generated by plot.py at 2017-09-18 05:23:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.02 Mbit/s

95th percentile per-packet one-way delay: 30.520 ms

Loss rate: 0.39%

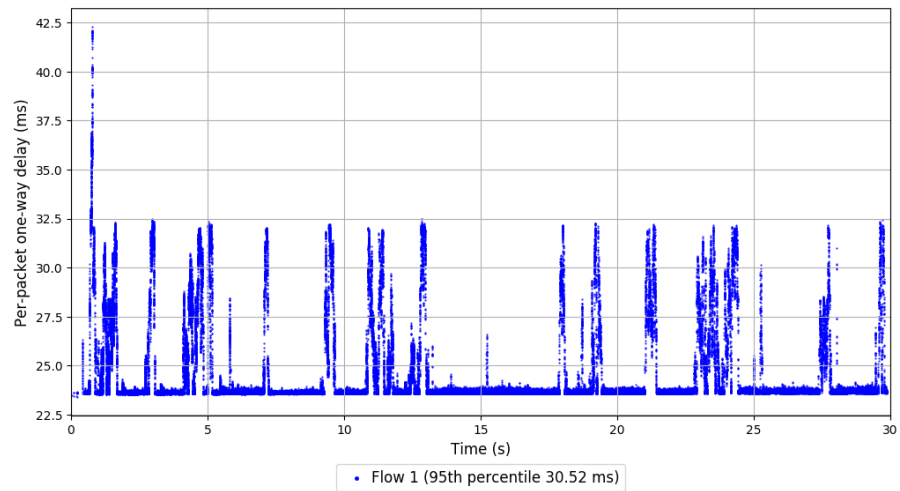
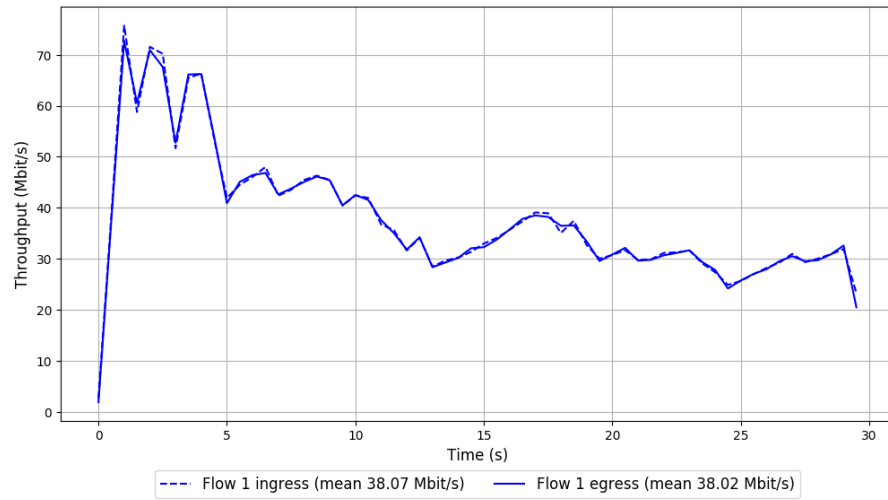
-- Flow 1:

Average throughput: 38.02 Mbit/s

95th percentile per-packet one-way delay: 30.520 ms

Loss rate: 0.39%

### Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-17 23:31:33

End at: 2017-09-17 23:32:03

Local clock offset: 0.723 ms

Remote clock offset: 1.096 ms

# Below is generated by plot.py at 2017-09-18 05:23:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.17 Mbit/s

95th percentile per-packet one-way delay: 40.855 ms

Loss rate: 0.71%

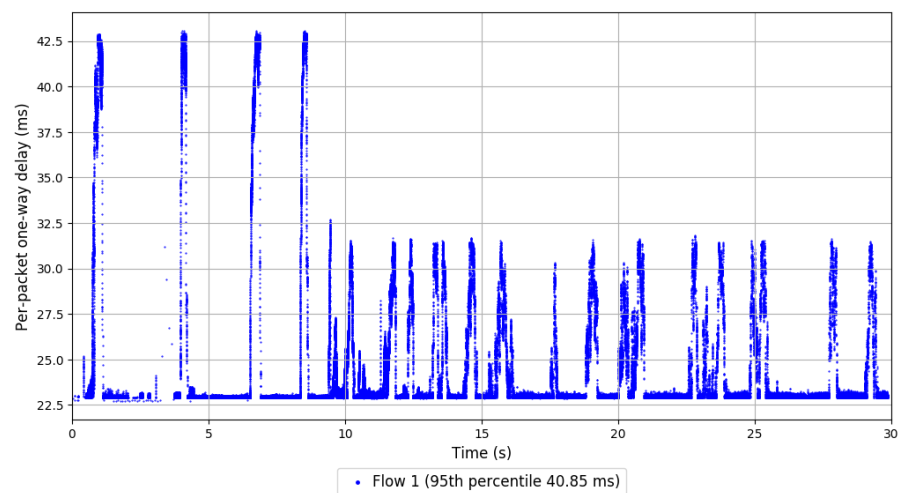
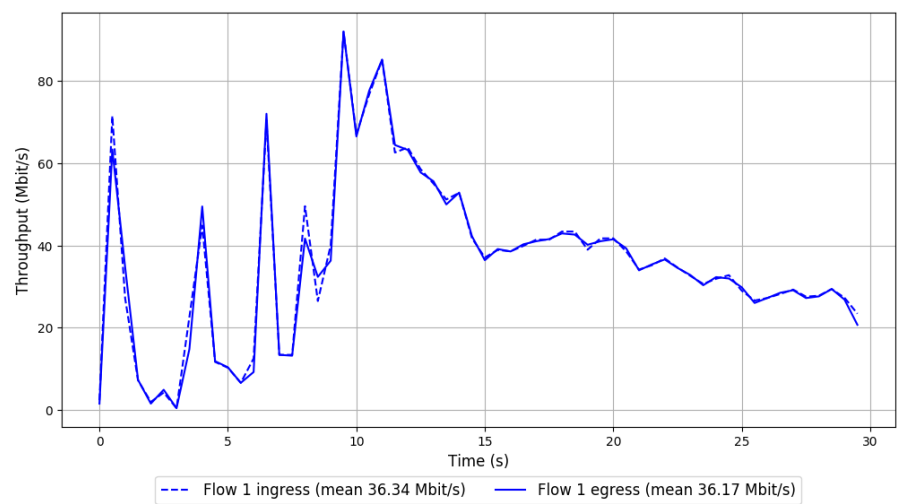
-- Flow 1:

Average throughput: 36.17 Mbit/s

95th percentile per-packet one-way delay: 40.855 ms

Loss rate: 0.71%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-17 23:52:17

End at: 2017-09-17 23:52:47

Local clock offset: 0.72 ms

Remote clock offset: -1.504 ms

# Below is generated by plot.py at 2017-09-18 05:23:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 30.285 ms

Loss rate: 0.53%

-- Flow 1:

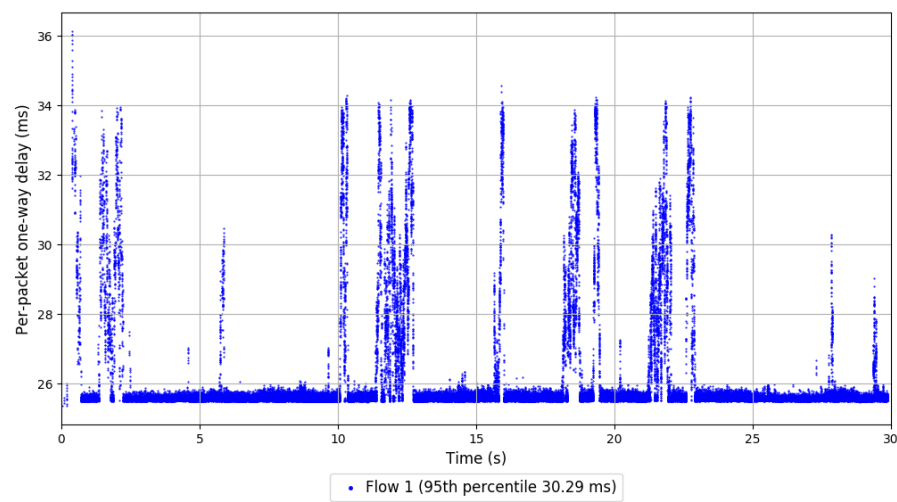
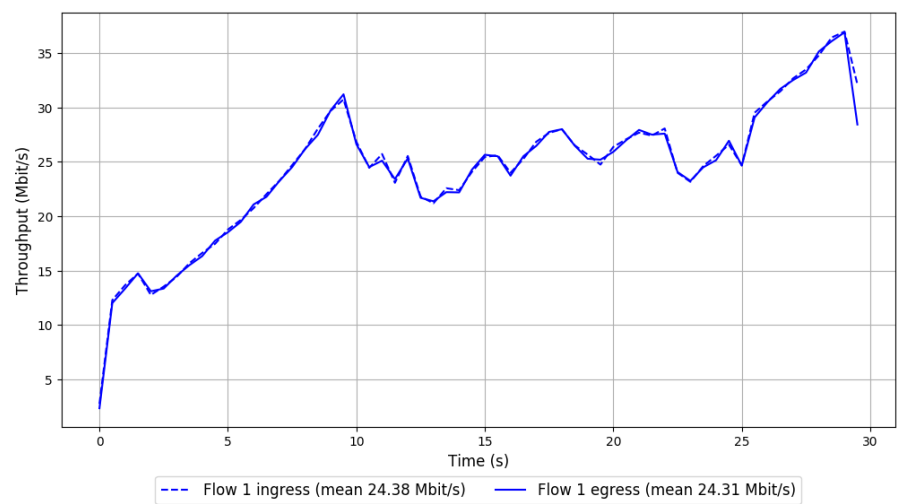
Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 30.285 ms

Loss rate: 0.53%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-18 00:12:38

End at: 2017-09-18 00:13:08

Local clock offset: 0.355 ms

Remote clock offset: -1.599 ms

# Below is generated by plot.py at 2017-09-18 05:23:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.94 Mbit/s

95th percentile per-packet one-way delay: 30.754 ms

Loss rate: 0.45%

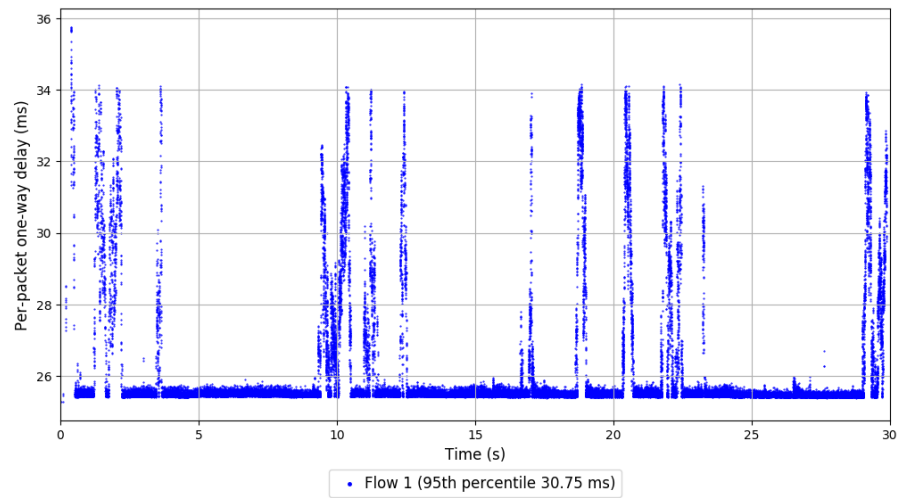
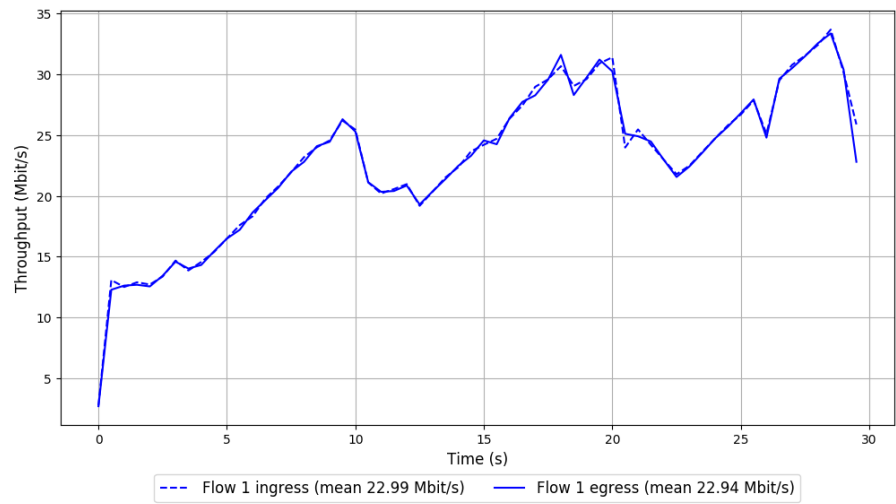
-- Flow 1:

Average throughput: 22.94 Mbit/s

95th percentile per-packet one-way delay: 30.754 ms

Loss rate: 0.45%

### Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-18 00:32:58

End at: 2017-09-18 00:33:28

Local clock offset: 0.668 ms

Remote clock offset: 0.485 ms

# Below is generated by plot.py at 2017-09-18 05:23:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.07 Mbit/s

95th percentile per-packet one-way delay: 40.065 ms

Loss rate: 0.55%

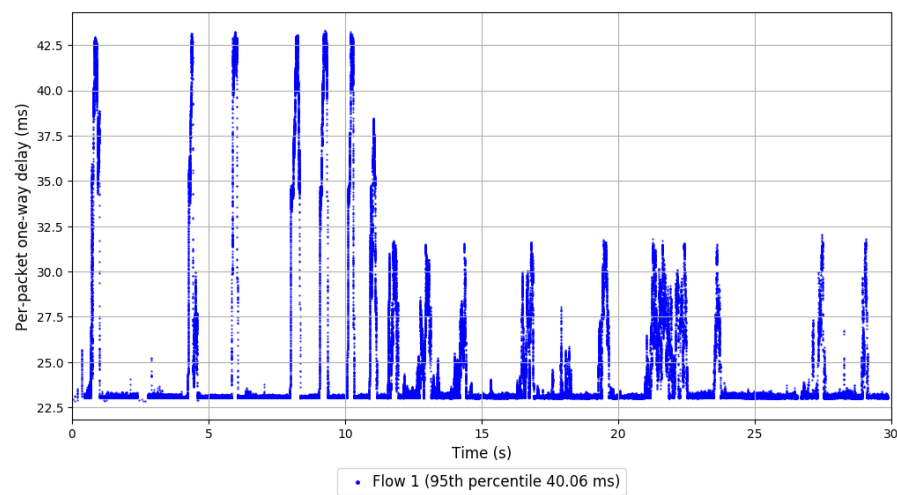
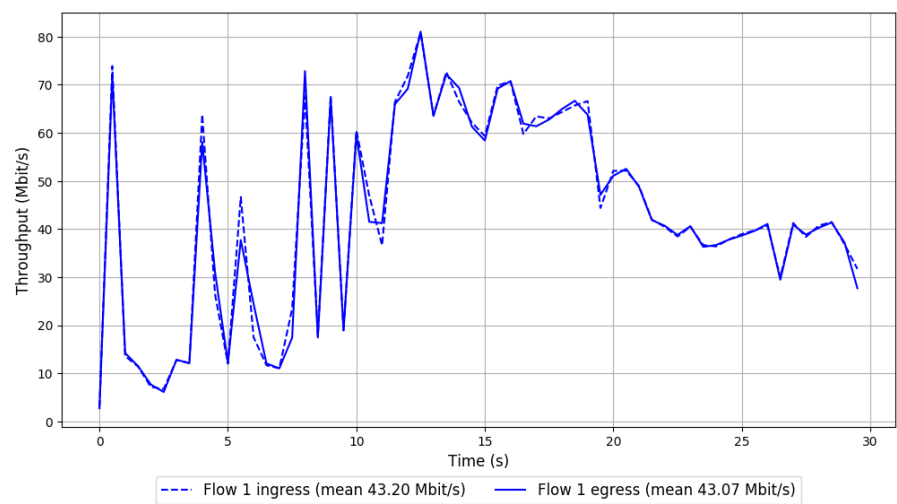
-- Flow 1:

Average throughput: 43.07 Mbit/s

95th percentile per-packet one-way delay: 40.065 ms

Loss rate: 0.55%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-18 00:53:20

End at: 2017-09-18 00:53:50

Local clock offset: 0.777 ms

Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2017-09-18 05:23:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.53 Mbit/s

95th percentile per-packet one-way delay: 29.424 ms

Loss rate: 0.41%

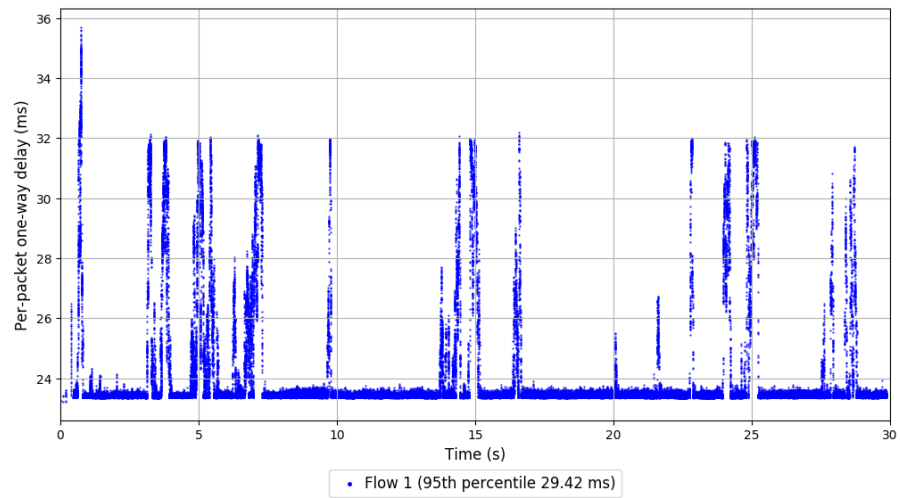
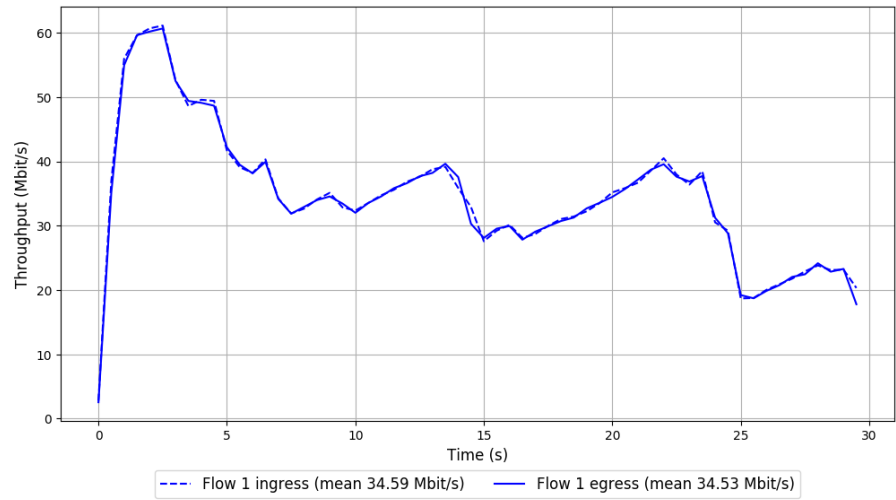
-- Flow 1:

Average throughput: 34.53 Mbit/s

95th percentile per-packet one-way delay: 29.424 ms

Loss rate: 0.41%

### Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-18 01:14:05

End at: 2017-09-18 01:14:35

Local clock offset: 0.671 ms

Remote clock offset: -2.166 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.69 Mbit/s

95th percentile per-packet one-way delay: 33.067 ms

Loss rate: 0.44%

-- Flow 1:

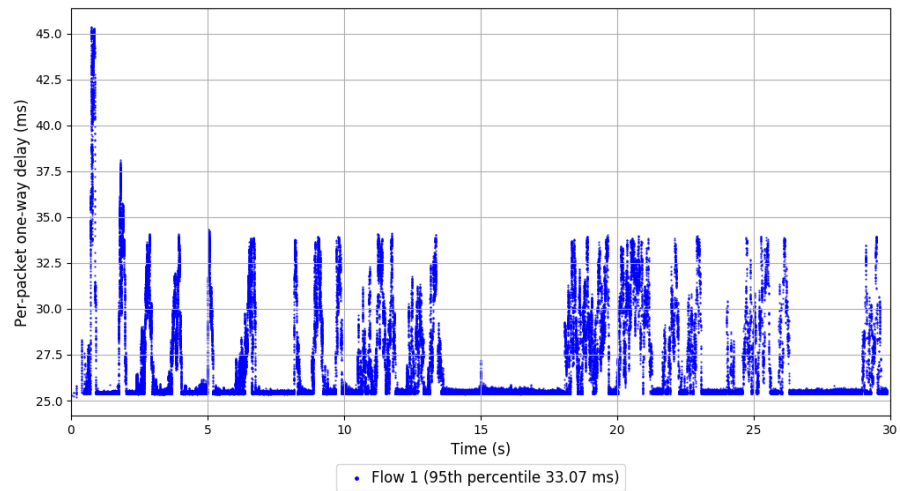
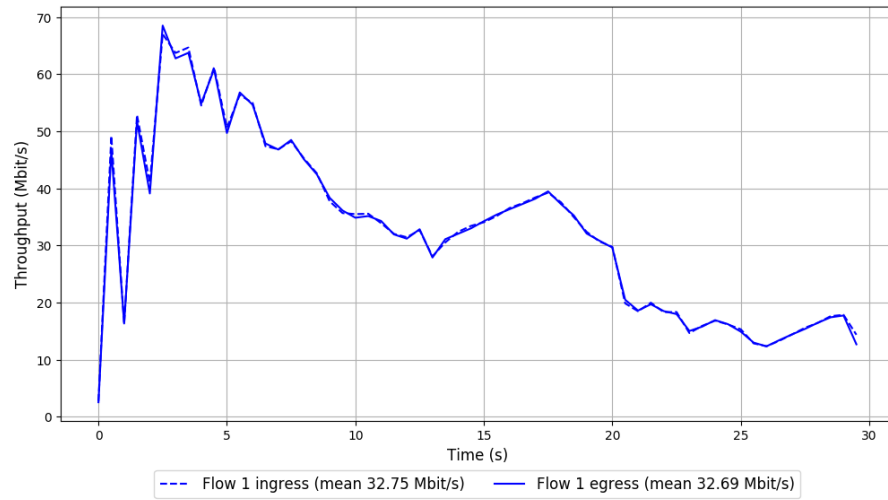
Average throughput: 32.69 Mbit/s

95th percentile per-packet one-way delay: 33.067 ms

Loss rate: 0.44%



### Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

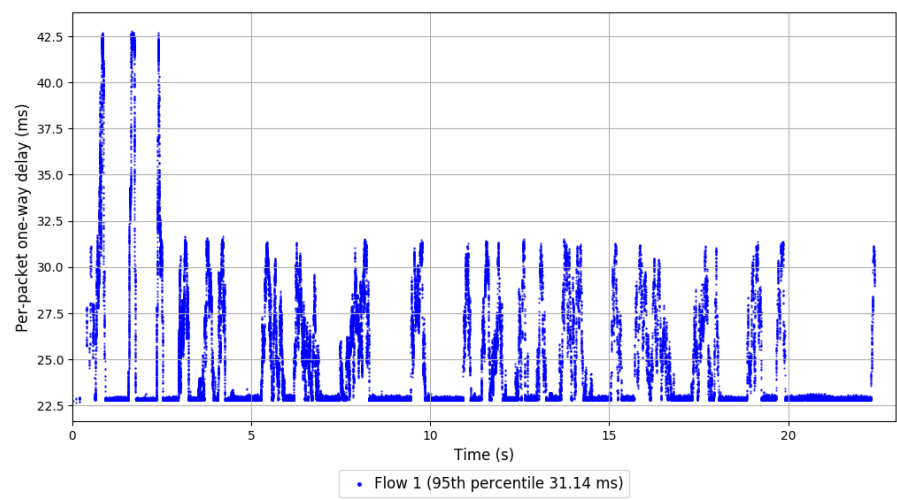
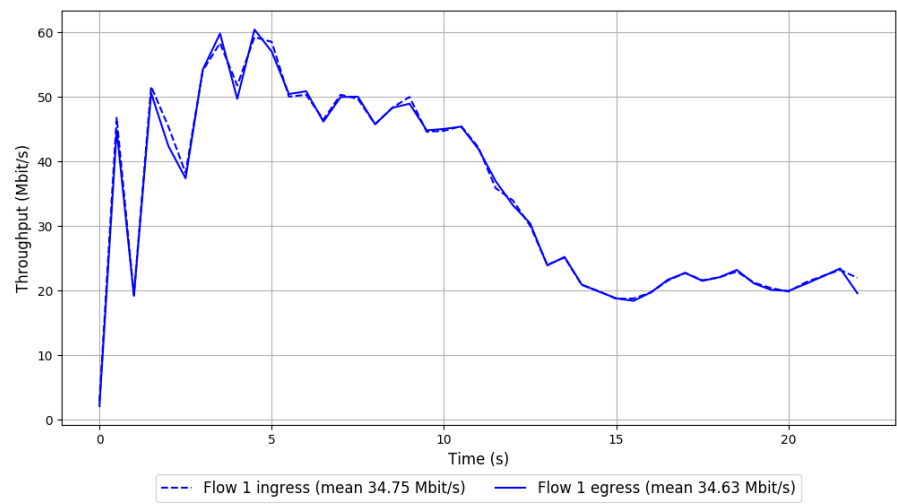
Start at: 2017-09-18 01:34:23

End at: 2017-09-18 01:34:53

Local clock offset: 0.281 ms

Remote clock offset: 0.38 ms

Run 10: Report of QUIC Cubic — Data Link

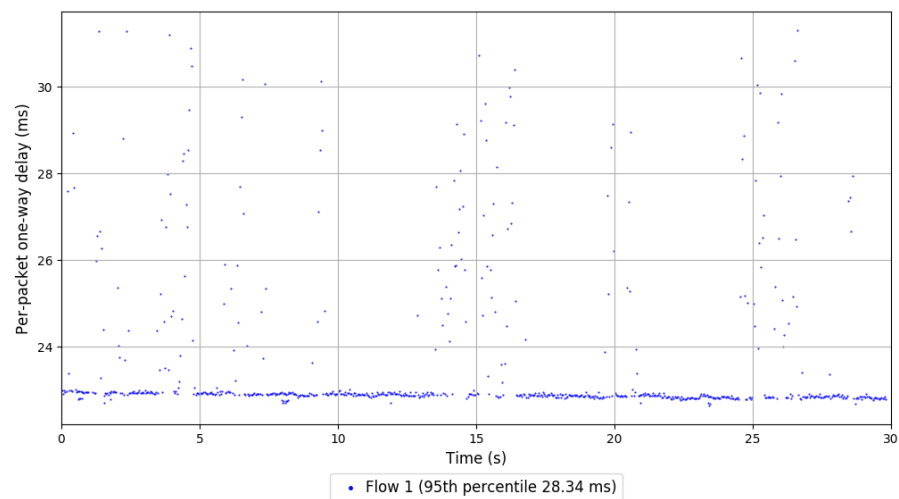
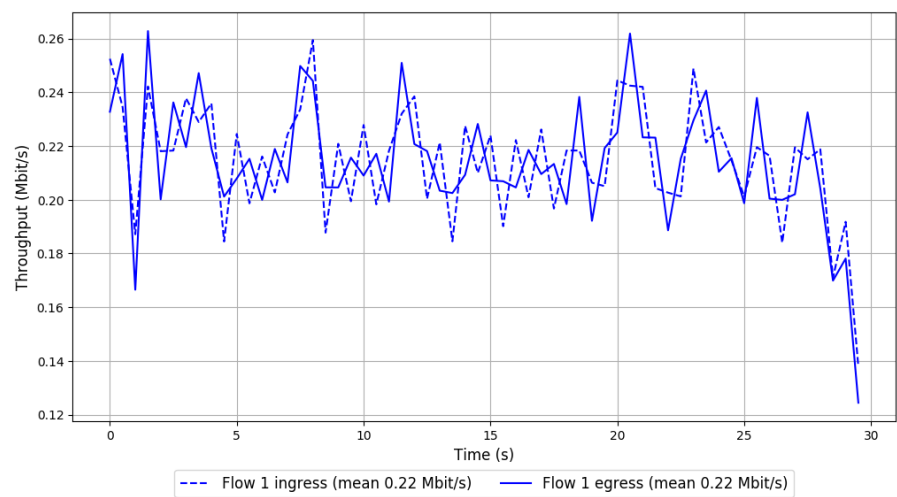


```
Run 1: Statistics of SCReAM

Start at: 2017-09-17 22:25:42
End at: 2017-09-17 22:26:12
Local clock offset: -5.95 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2017-09-18 05:23:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.337 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.337 ms
Loss rate: 0.33%
```

Run 1: Report of SReAM — Data Link

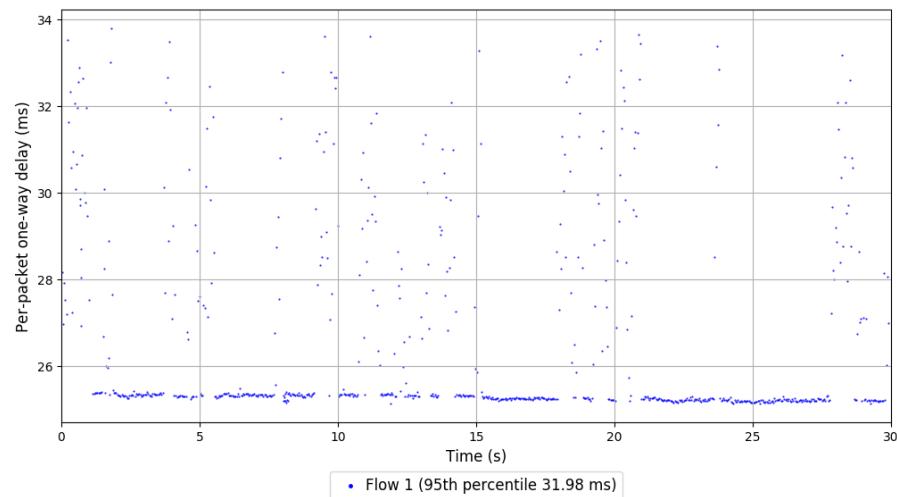
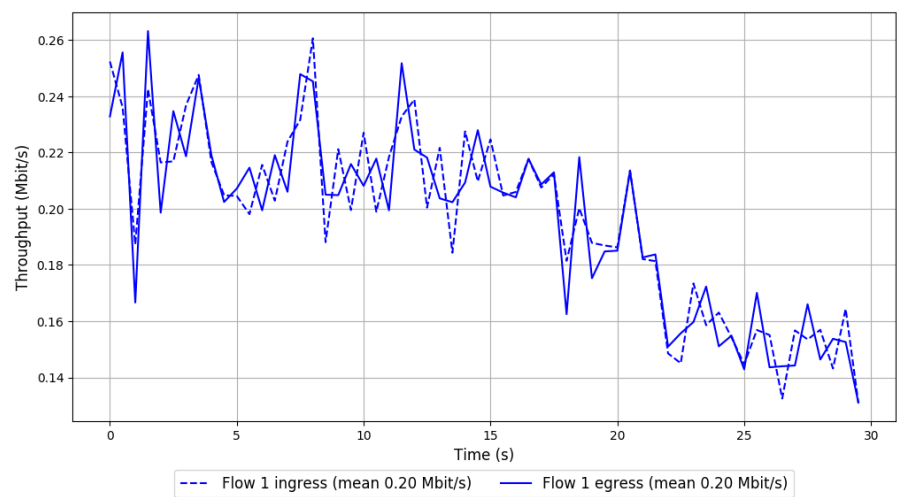


Run 2: Statistics of SCReAM

Start at: 2017-09-17 22:46:24  
End at: 2017-09-17 22:46:54  
Local clock offset: -6.856 ms  
Remote clock offset: -1.968 ms

# Below is generated by plot.py at 2017-09-18 05:23:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 31.976 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 31.976 ms  
Loss rate: 0.24%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-09-17 23:06:46

End at: 2017-09-17 23:07:16

Local clock offset: 0.793 ms

Remote clock offset: 0.623 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.973 ms

Loss rate: 0.13%

-- Flow 1:

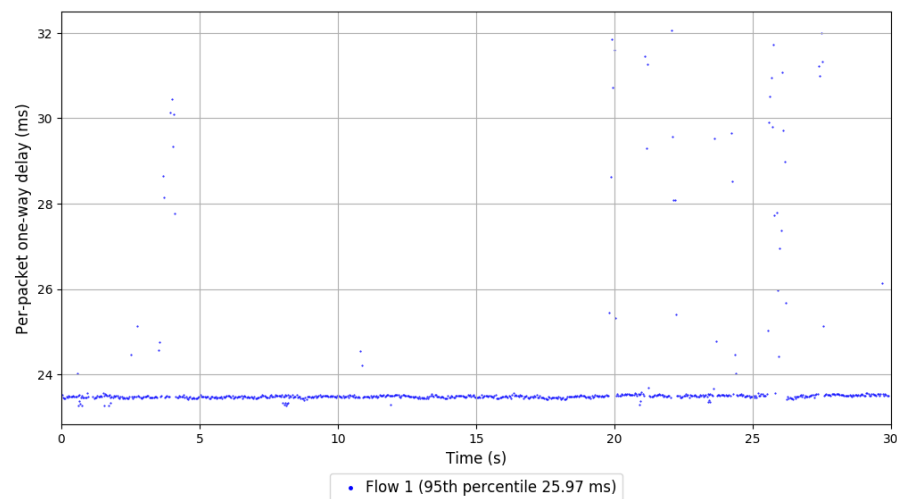
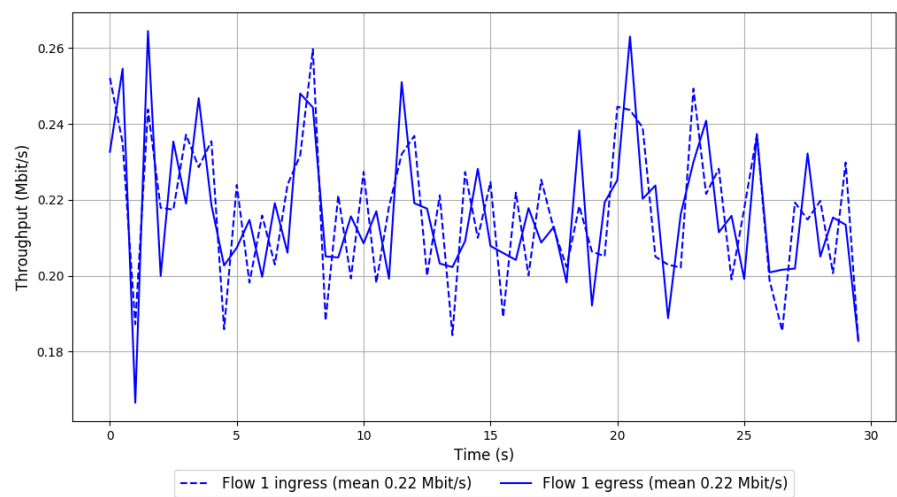
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.973 ms

Loss rate: 0.13%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-09-17 23:27:33

End at: 2017-09-17 23:28:03

Local clock offset: 0.678 ms

Remote clock offset: 1.082 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 29.594 ms

Loss rate: 0.74%

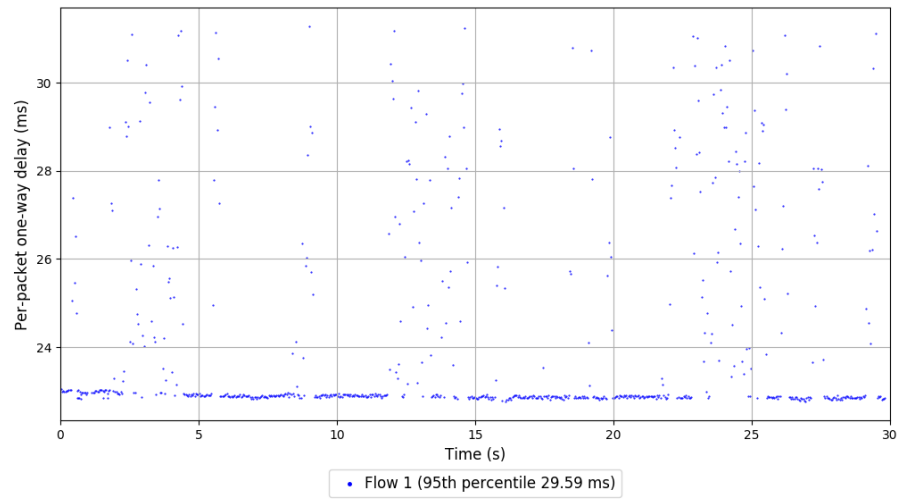
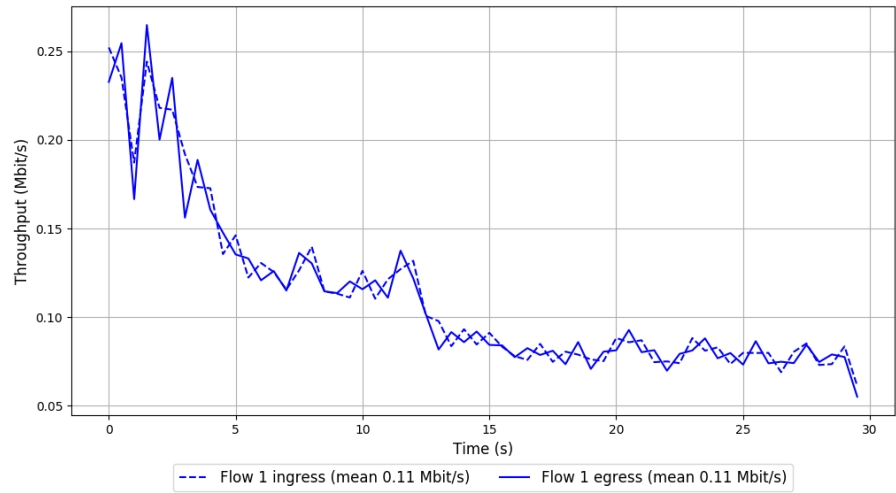
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 29.594 ms

Loss rate: 0.74%

#### Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-09-17 23:48:20

End at: 2017-09-17 23:48:50

Local clock offset: 0.79 ms

Remote clock offset: 0.741 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.532 ms

Loss rate: 0.26%

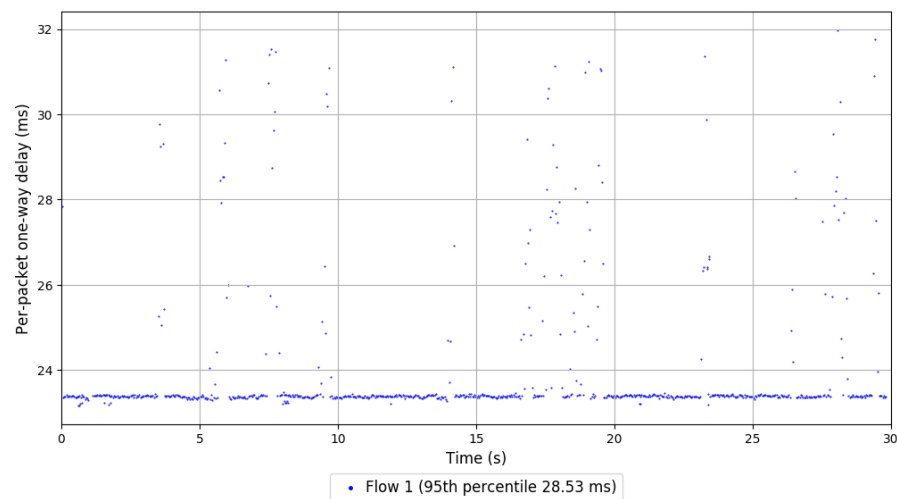
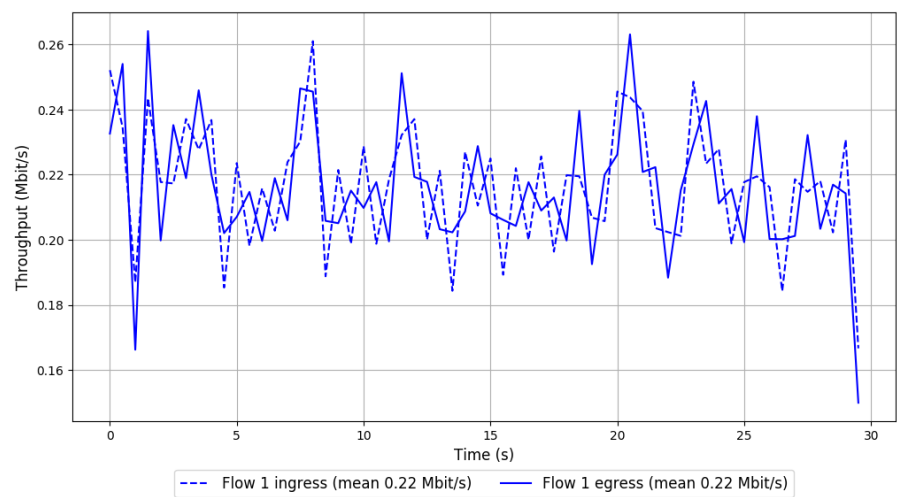
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.532 ms

Loss rate: 0.26%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-09-18 00:08:44

End at: 2017-09-18 00:09:15

Local clock offset: 0.385 ms

Remote clock offset: -1.54 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.458 ms

Loss rate: 0.34%

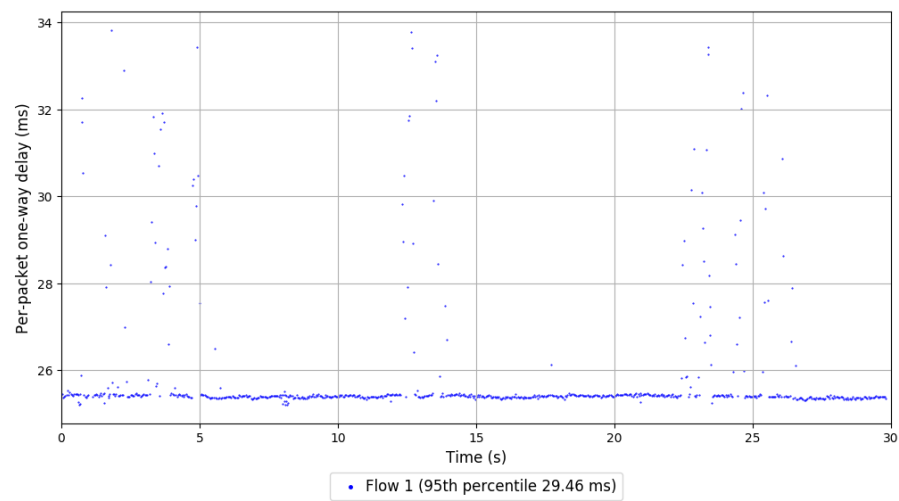
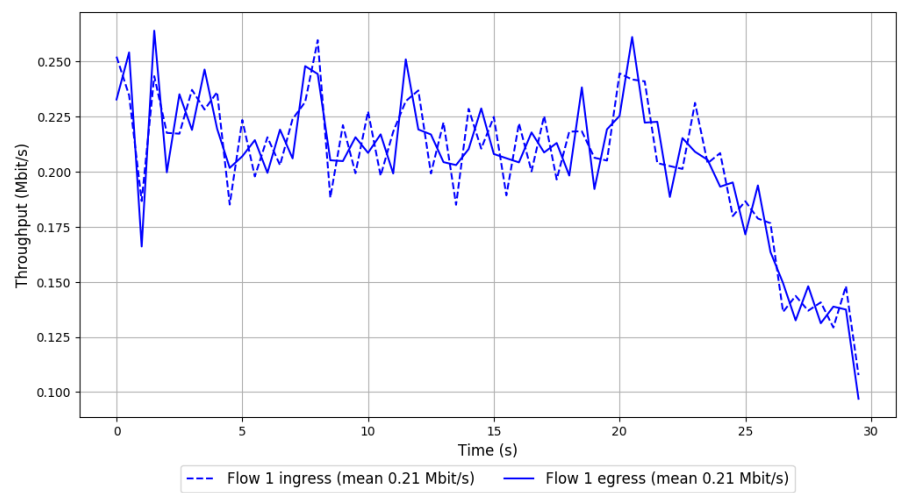
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.458 ms

Loss rate: 0.34%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-09-18 00:29:03

End at: 2017-09-18 00:29:33

Local clock offset: 0.451 ms

Remote clock offset: 0.248 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 27.482 ms

Loss rate: 0.52%

-- Flow 1:

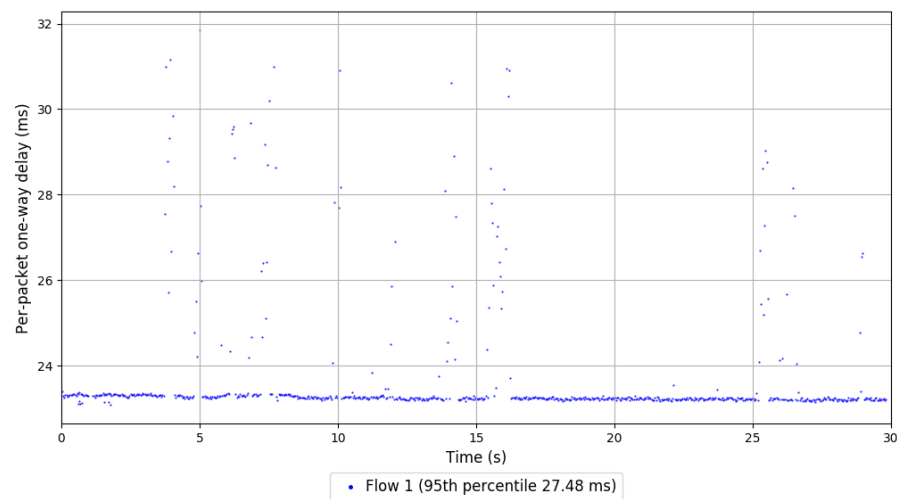
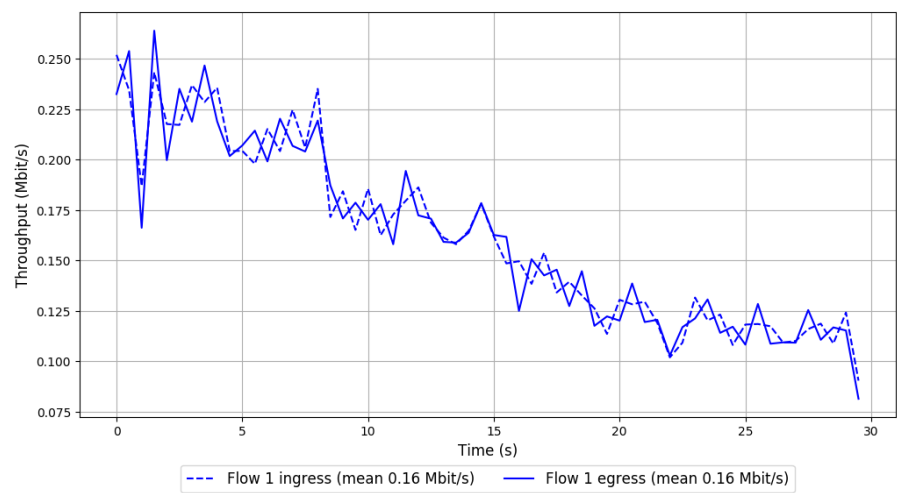
Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 27.482 ms

Loss rate: 0.52%



Run 7: Report of SReAM — Data Link

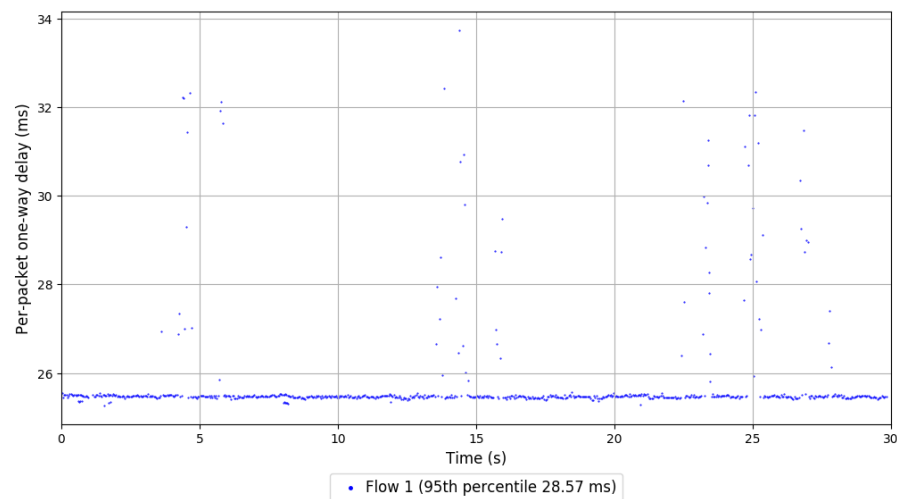
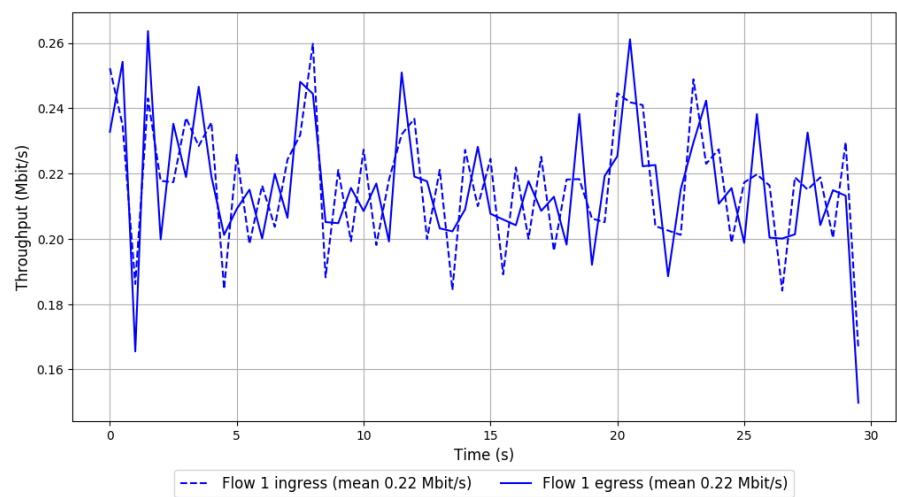


Run 8: Statistics of SCReAM

Start at: 2017-09-18 00:49:22  
End at: 2017-09-18 00:49:52  
Local clock offset: 0.762 ms  
Remote clock offset: -2.107 ms

# Below is generated by plot.py at 2017-09-18 05:23:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 28.574 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 28.574 ms  
Loss rate: 0.25%

Run 8: Report of SCRaM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-09-18 01:10:06

End at: 2017-09-18 01:10:36

Local clock offset: 0.798 ms

Remote clock offset: 0.378 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.474 ms

Loss rate: 0.39%

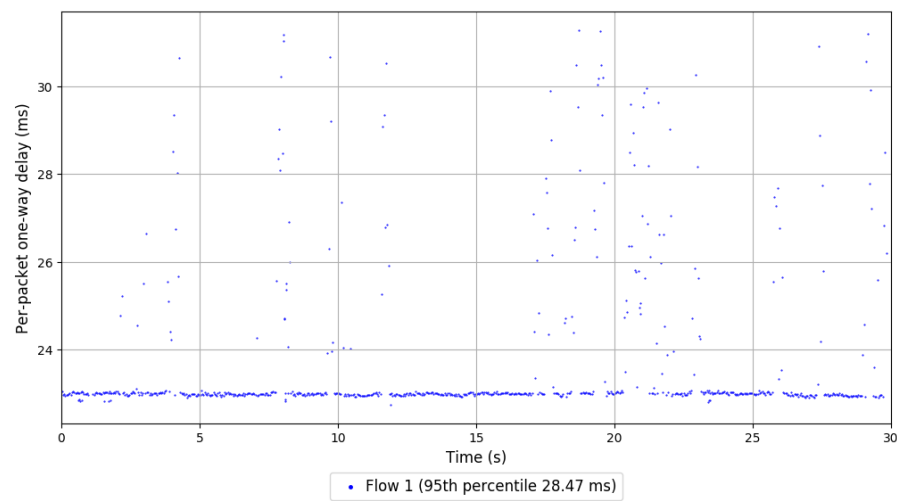
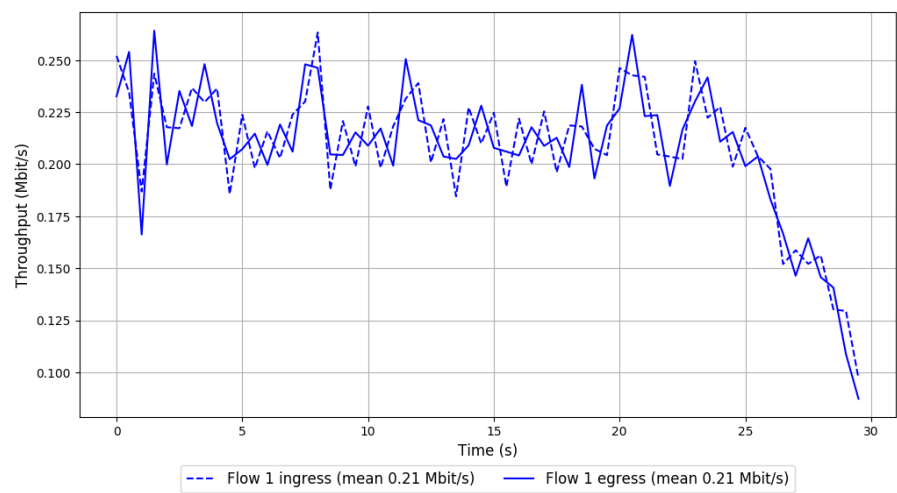
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.474 ms

Loss rate: 0.39%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2017-09-18 01:30:25

End at: 2017-09-18 01:30:55

Local clock offset: 0.436 ms

Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 29.153 ms

Loss rate: 0.86%

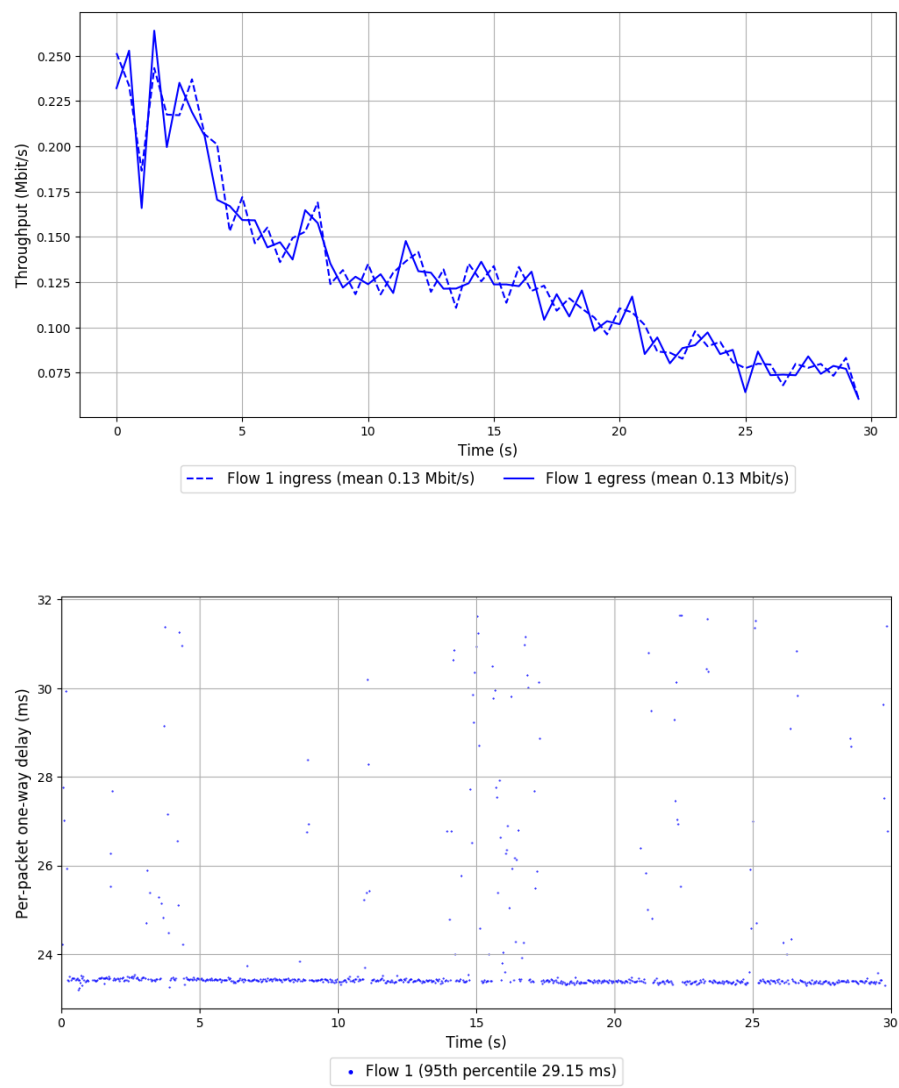
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 29.153 ms

Loss rate: 0.86%

Run 10: Report of SCReAM — Data Link



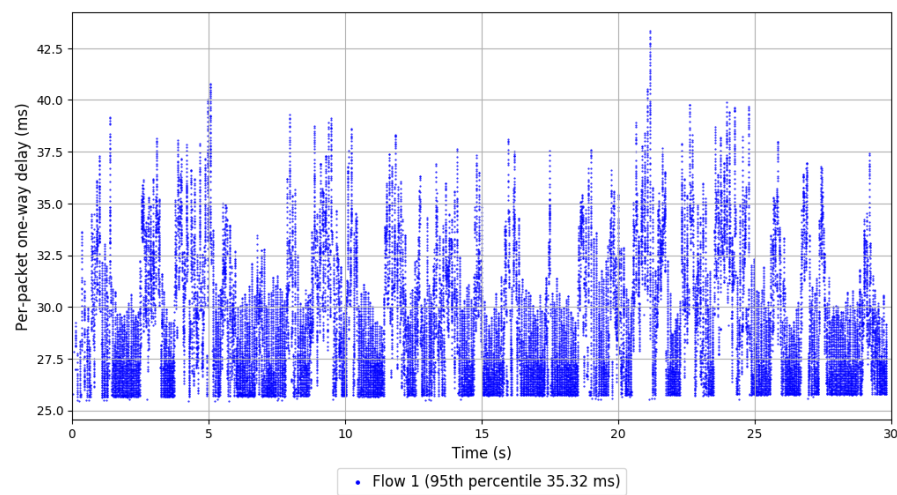
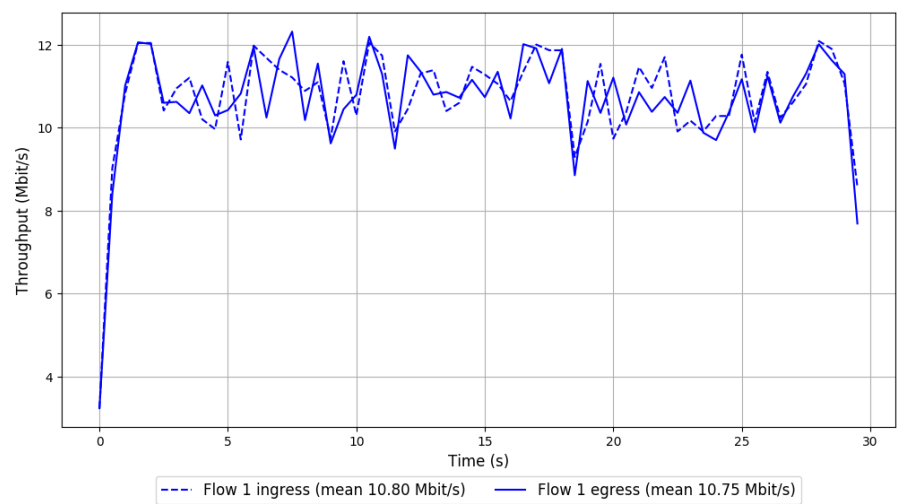
Run 1: Statistics of Sprout

Start at: 2017-09-17 22:23:04  
End at: 2017-09-17 22:23:34  
Local clock offset: -5.531 ms  
Remote clock offset: -2.538 ms

# Below is generated by plot.py at 2017-09-18 05:23:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.75 Mbit/s  
95th percentile per-packet one-way delay: 35.318 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 10.75 Mbit/s  
95th percentile per-packet one-way delay: 35.318 ms  
Loss rate: 0.69%



Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-09-17 22:43:49

End at: 2017-09-17 22:44:19

Local clock offset: -7.884 ms

Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 32.203 ms

Loss rate: 0.61%

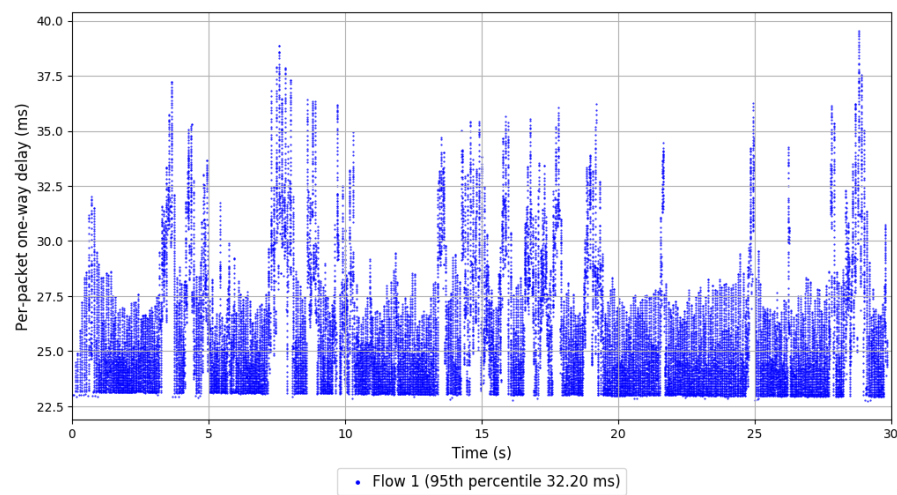
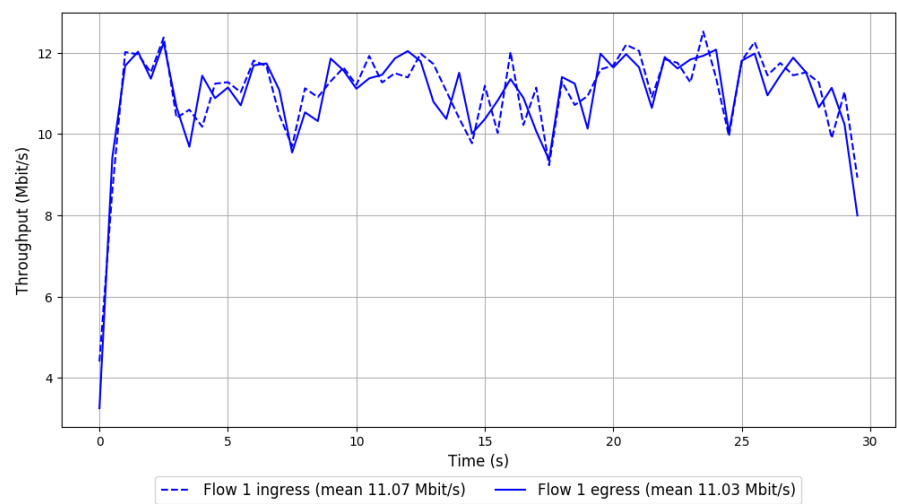
-- Flow 1:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 32.203 ms

Loss rate: 0.61%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-09-17 23:04:11

End at: 2017-09-17 23:04:41

Local clock offset: 1.098 ms

Remote clock offset: 0.976 ms

# Below is generated by plot.py at 2017-09-18 05:23:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 30.035 ms

Loss rate: 0.35%

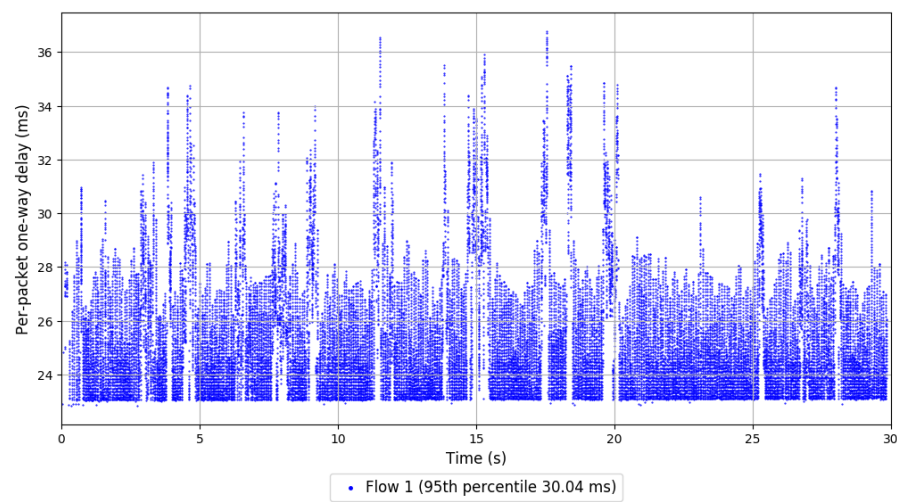
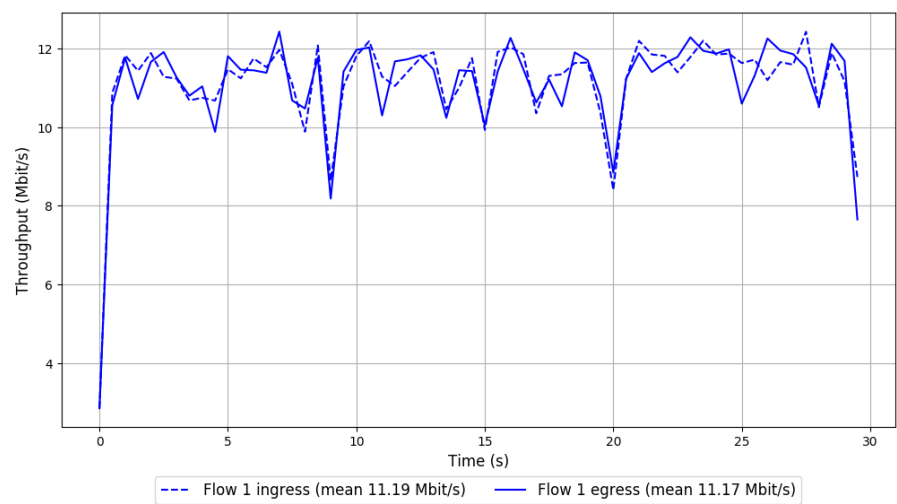
-- Flow 1:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 30.035 ms

Loss rate: 0.35%

Run 3: Report of Sprout — Data Link

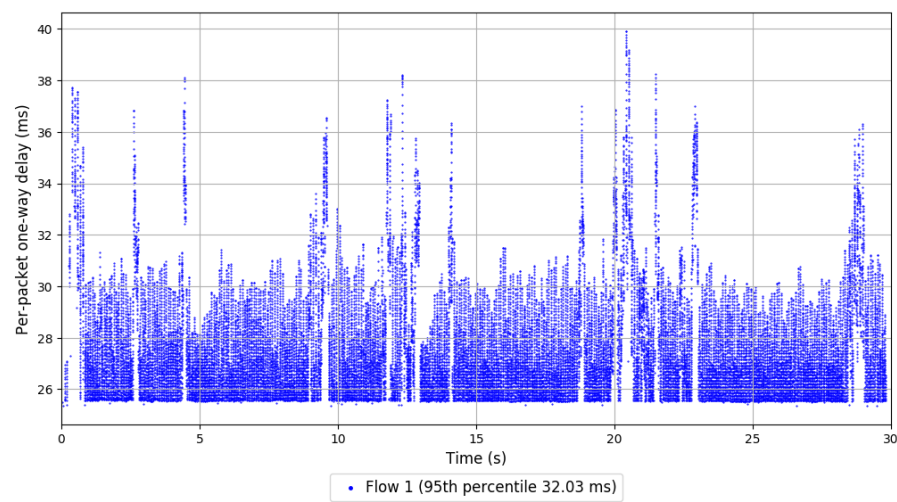
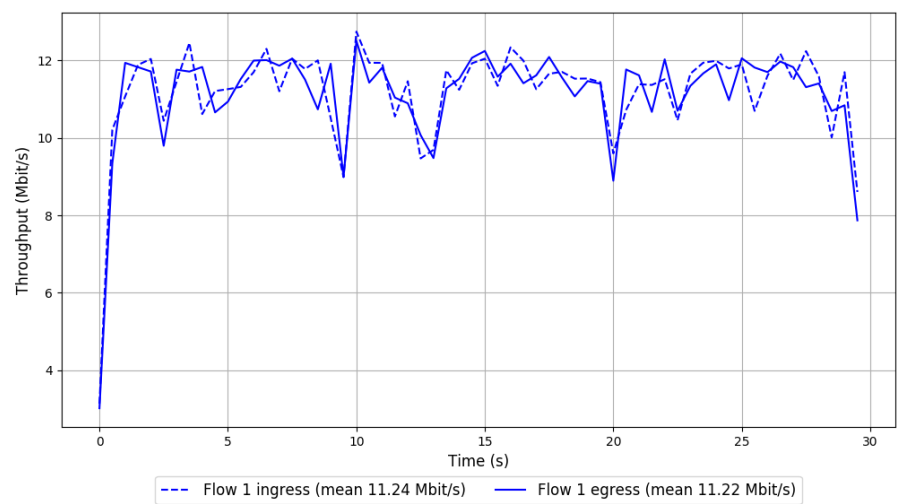


Run 4: Statistics of Sprout

Start at: 2017-09-17 23:24:56  
End at: 2017-09-17 23:25:26  
Local clock offset: 0.412 ms  
Remote clock offset: -1.609 ms

# Below is generated by plot.py at 2017-09-18 05:23:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.22 Mbit/s  
95th percentile per-packet one-way delay: 32.033 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 11.22 Mbit/s  
95th percentile per-packet one-way delay: 32.033 ms  
Loss rate: 0.44%

Run 4: Report of Sprout — Data Link



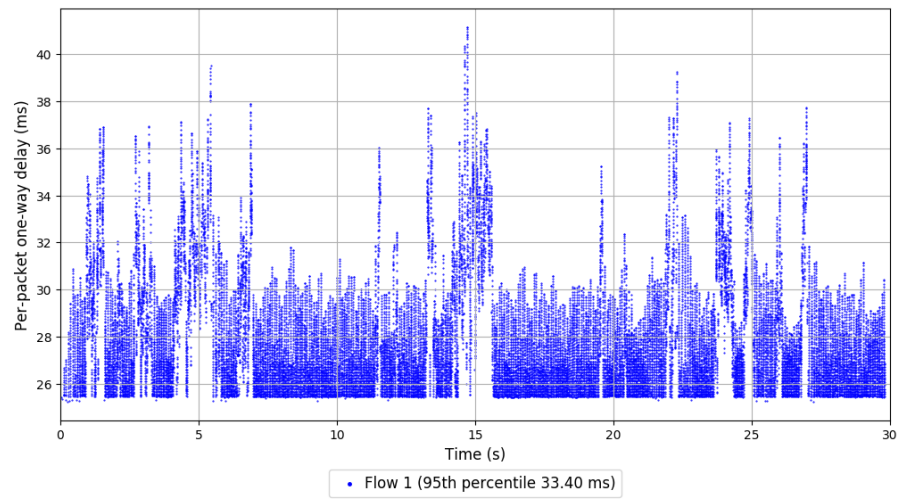
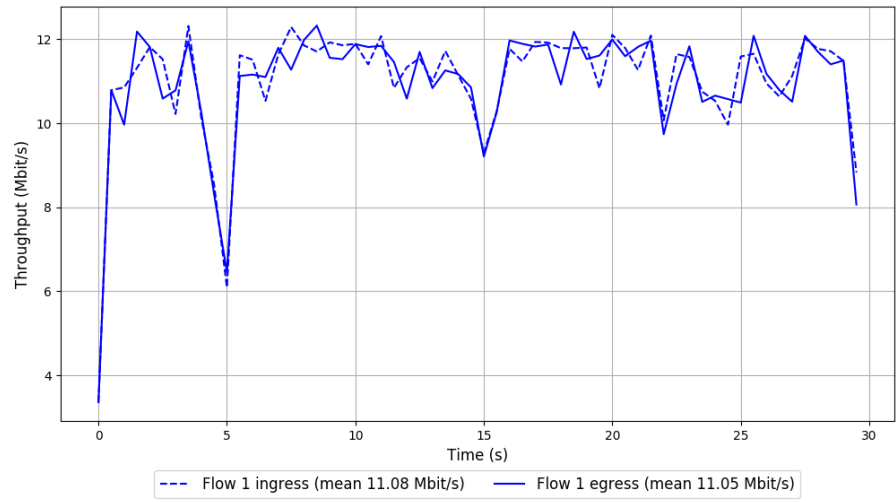
Run 5: Statistics of Sprout

Start at: 2017-09-17 23:45:45  
End at: 2017-09-17 23:46:15  
Local clock offset: 0.697 ms  
Remote clock offset: -1.491 ms

# Below is generated by plot.py at 2017-09-18 05:23:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.05 Mbit/s  
95th percentile per-packet one-way delay: 33.403 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 11.05 Mbit/s  
95th percentile per-packet one-way delay: 33.403 ms  
Loss rate: 0.52%



### Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-09-18 00:06:09

End at: 2017-09-18 00:06:39

Local clock offset: 0.428 ms

Remote clock offset: 0.929 ms

# Below is generated by plot.py at 2017-09-18 05:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 29.136 ms

Loss rate: 0.34%

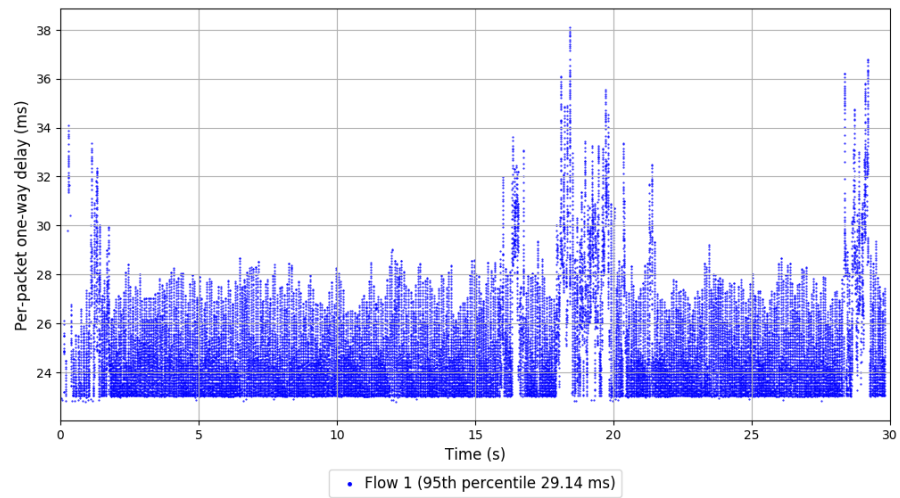
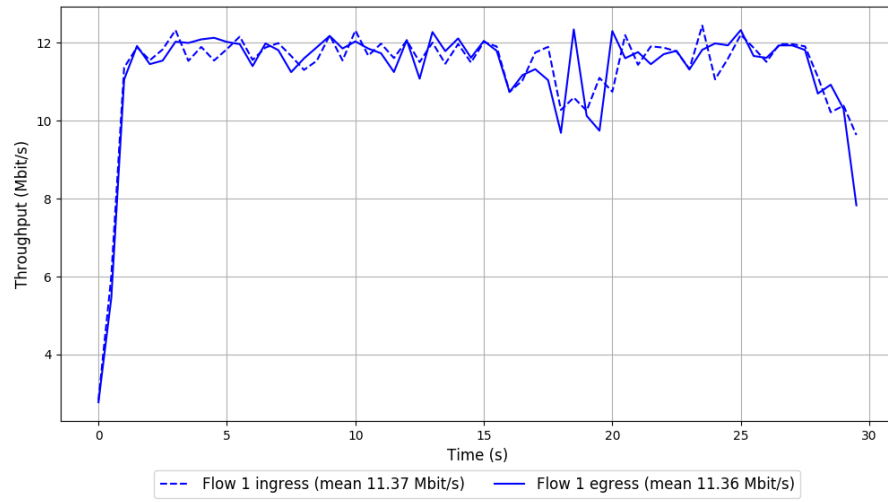
-- Flow 1:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 29.136 ms

Loss rate: 0.34%

## Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-09-18 00:26:29

End at: 2017-09-18 00:26:59

Local clock offset: 0.571 ms

Remote clock offset: 0.565 ms

# Below is generated by plot.py at 2017-09-18 05:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.11 Mbit/s

95th percentile per-packet one-way delay: 28.514 ms

Loss rate: 0.67%

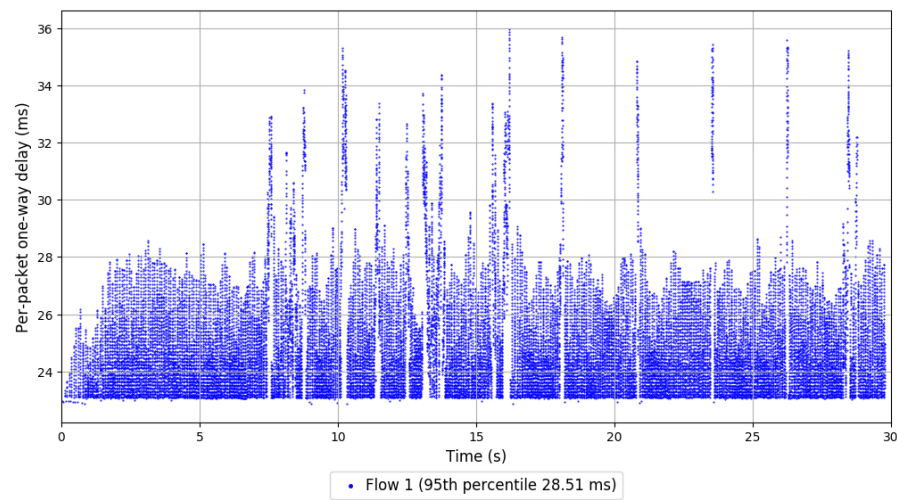
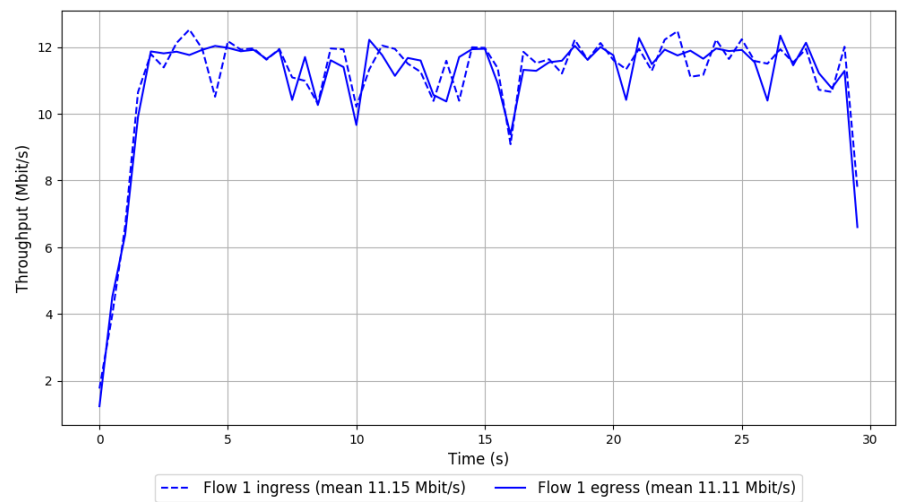
-- Flow 1:

Average throughput: 11.11 Mbit/s

95th percentile per-packet one-way delay: 28.514 ms

Loss rate: 0.67%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-09-18 00:46:45

End at: 2017-09-18 00:47:15

Local clock offset: 0.732 ms

Remote clock offset: 0.416 ms

# Below is generated by plot.py at 2017-09-18 05:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 27.996 ms

Loss rate: 0.43%

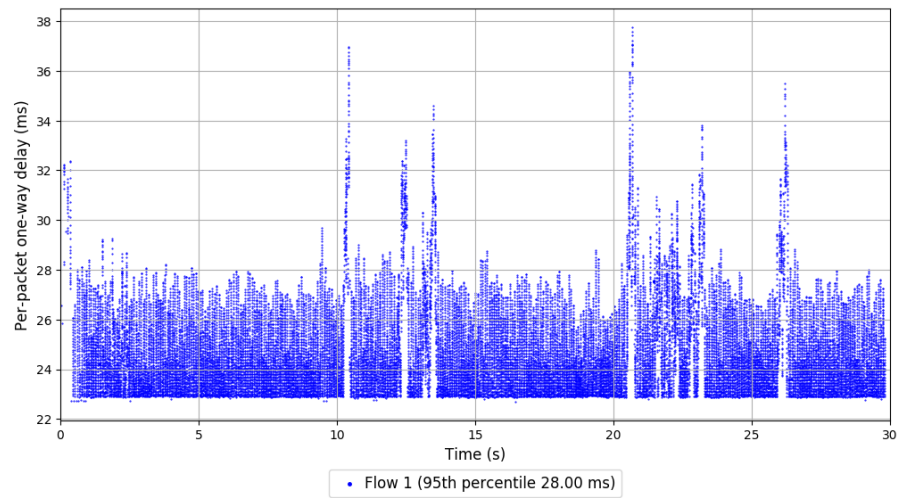
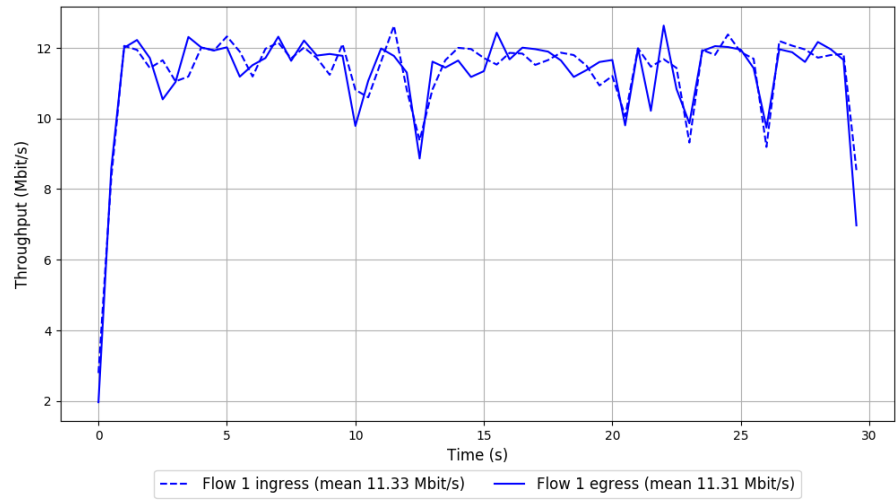
-- Flow 1:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 27.996 ms

Loss rate: 0.43%

# Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-18 01:07:30

End at: 2017-09-18 01:08:00

Local clock offset: 0.706 ms

Remote clock offset: -2.22 ms

# Below is generated by plot.py at 2017-09-18 05:23:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 33.857 ms

Loss rate: 0.72%

-- Flow 1:

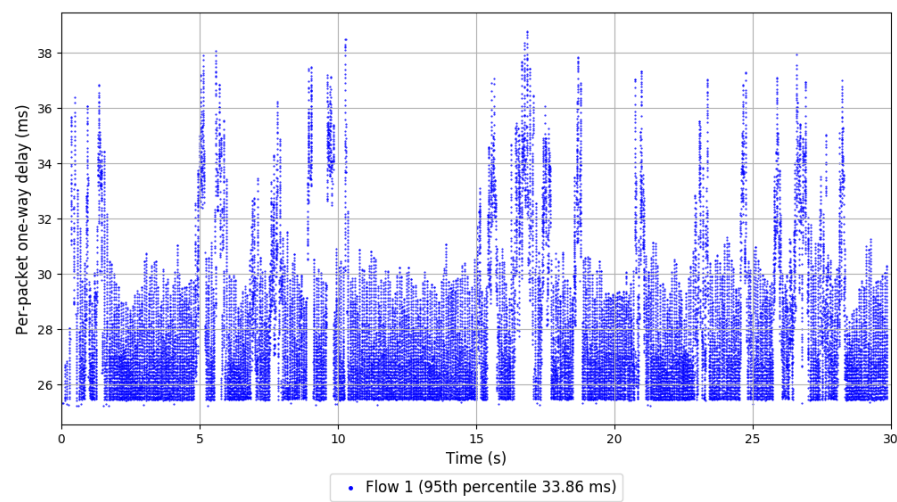
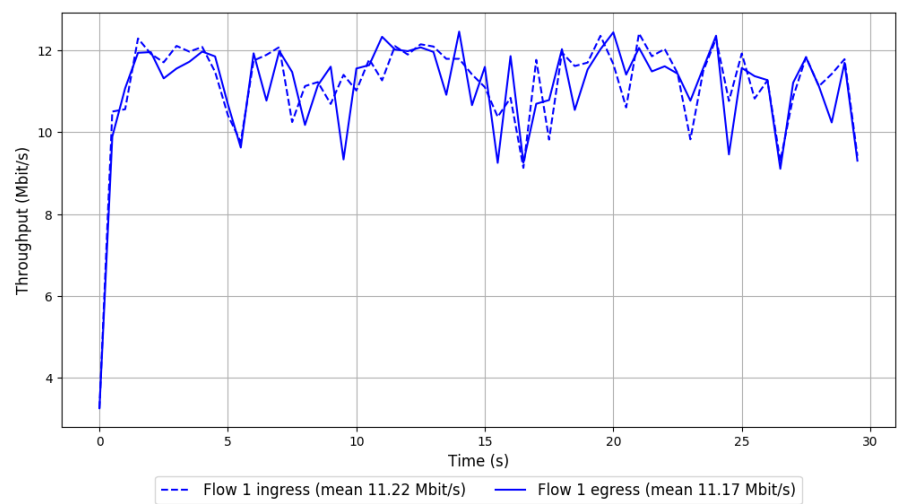
Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 33.857 ms

Loss rate: 0.72%



Run 9: Report of Sprout — Data Link

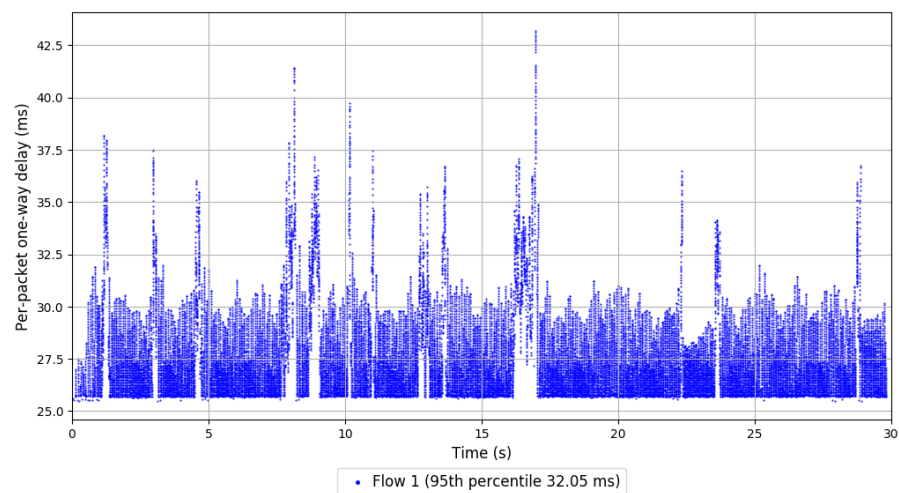
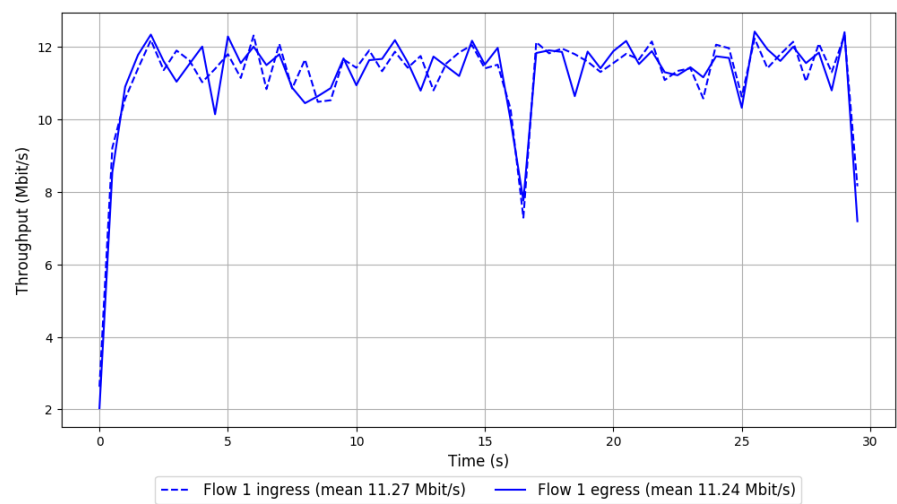


Run 10: Statistics of Sprout

Start at: 2017-09-18 01:27:49  
End at: 2017-09-18 01:28:19  
Local clock offset: 0.489 ms  
Remote clock offset: -2.306 ms

# Below is generated by plot.py at 2017-09-18 05:23:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.24 Mbit/s  
95th percentile per-packet one-way delay: 32.055 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 11.24 Mbit/s  
95th percentile per-packet one-way delay: 32.055 ms  
Loss rate: 0.40%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-09-17 22:15:49

End at: 2017-09-17 22:16:19

Local clock offset: -5.49 ms

Remote clock offset: -2.658 ms

# Below is generated by plot.py at 2017-09-18 05:25:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 39.415 ms

Loss rate: 1.00%

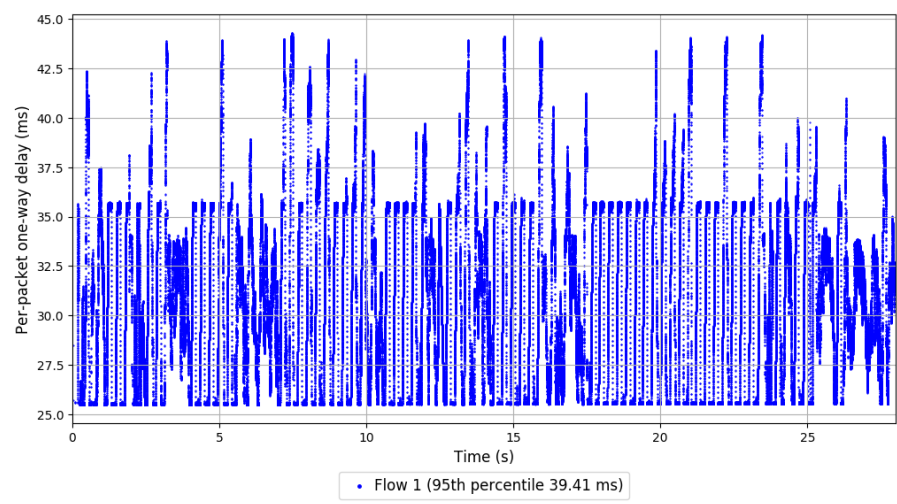
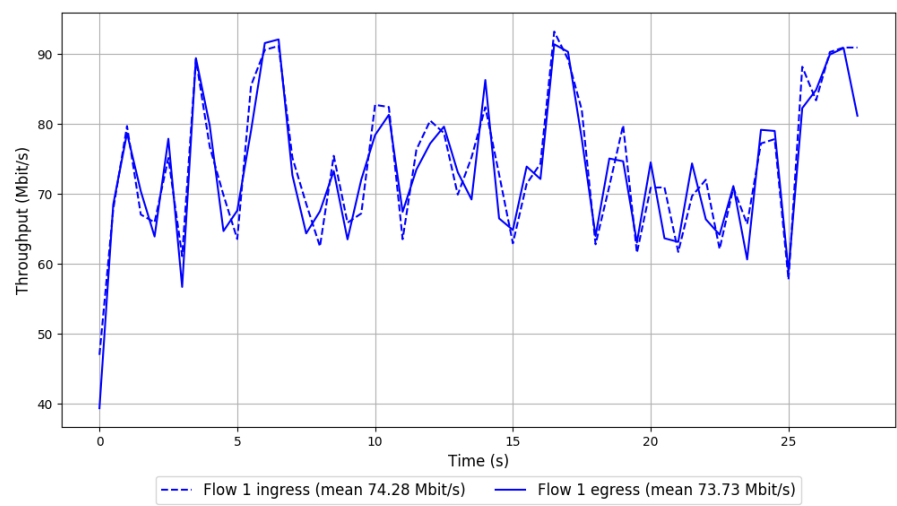
-- Flow 1:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 39.415 ms

Loss rate: 1.00%

Run 1: Report of TaoVA-100x — Data Link

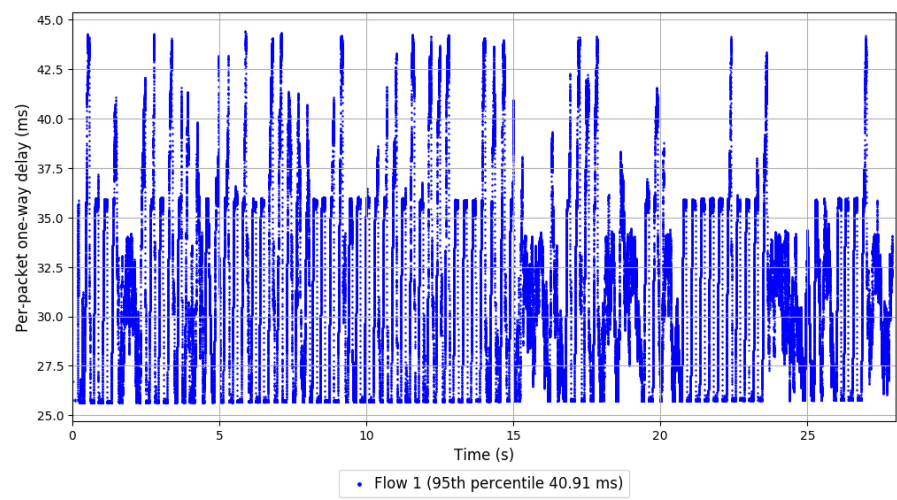
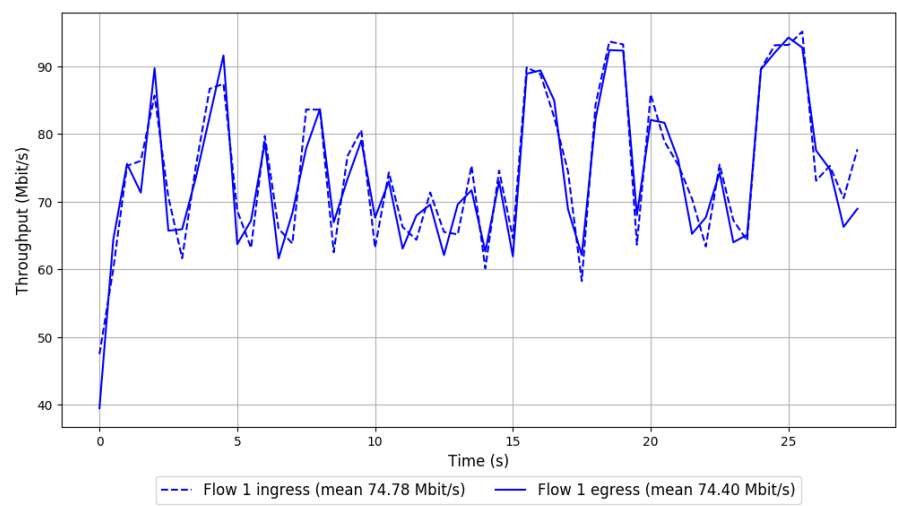


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-17 22:36:39  
End at: 2017-09-17 22:37:09  
Local clock offset: -6.471 ms  
Remote clock offset: -2.272 ms

# Below is generated by plot.py at 2017-09-18 05:25:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.40 Mbit/s  
95th percentile per-packet one-way delay: 40.911 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 74.40 Mbit/s  
95th percentile per-packet one-way delay: 40.911 ms  
Loss rate: 0.78%

Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-17 22:57:25

End at: 2017-09-17 22:57:55

Local clock offset: -3.868 ms

Remote clock offset: 0.366 ms

# Below is generated by plot.py at 2017-09-18 05:25:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 38.026 ms

Loss rate: 1.08%

-- Flow 1:

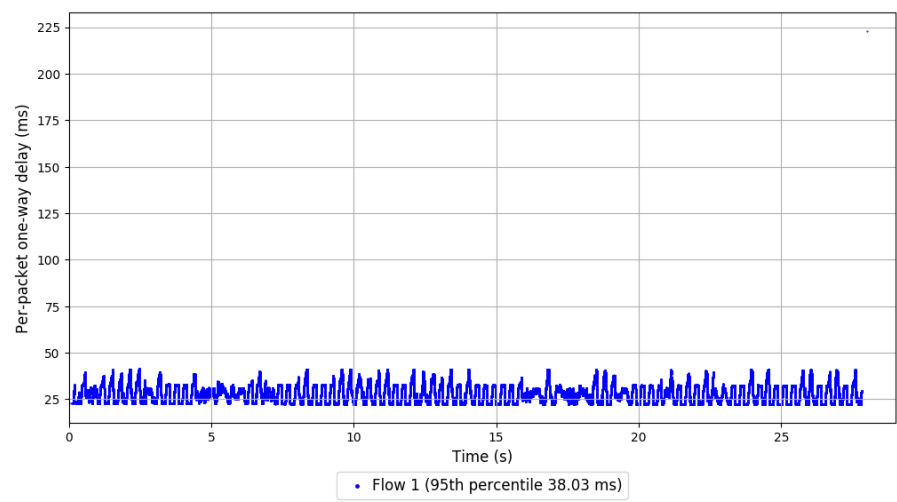
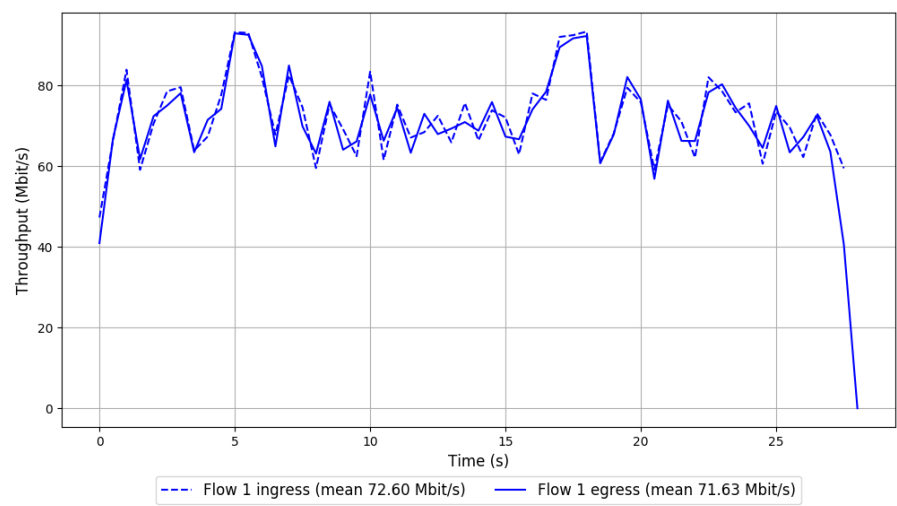
Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 38.026 ms

Loss rate: 1.08%



Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-17 23:17:50

End at: 2017-09-17 23:18:20

Local clock offset: 0.066 ms

Remote clock offset: -1.559 ms

# Below is generated by plot.py at 2017-09-18 05:25:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.44 Mbit/s

95th percentile per-packet one-way delay: 40.056 ms

Loss rate: 0.71%

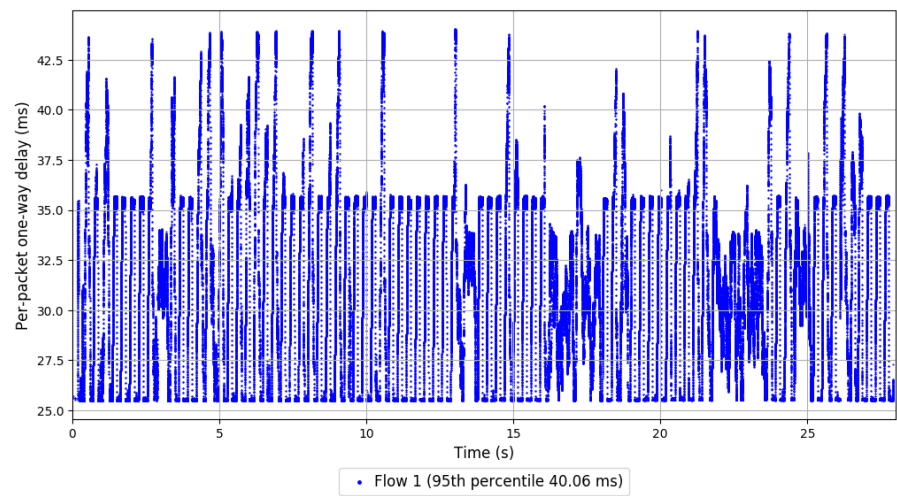
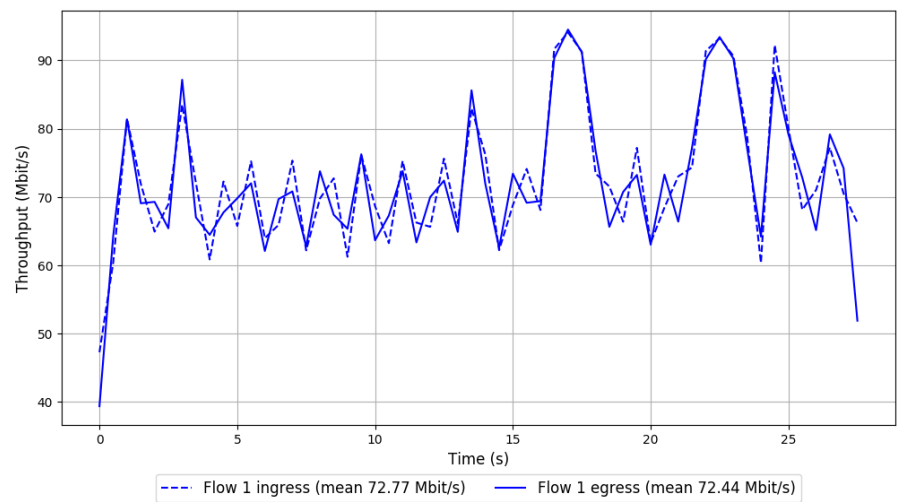
-- Flow 1:

Average throughput: 72.44 Mbit/s

95th percentile per-packet one-way delay: 40.056 ms

Loss rate: 0.71%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-17 23:38:34

End at: 2017-09-17 23:39:04

Local clock offset: 0.538 ms

Remote clock offset: 0.66 ms

# Below is generated by plot.py at 2017-09-18 05:25:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 37.874 ms

Loss rate: 0.56%

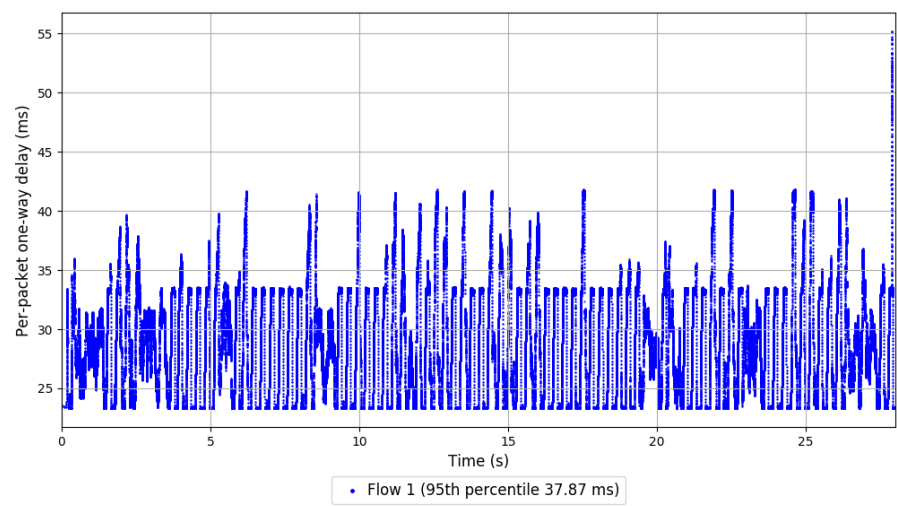
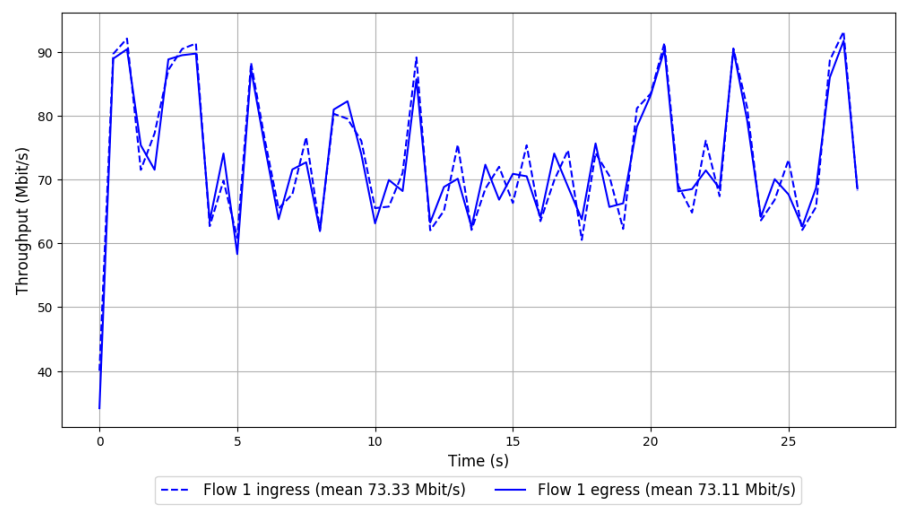
-- Flow 1:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 37.874 ms

Loss rate: 0.56%

Run 5: Report of TaoVA-100x — Data Link

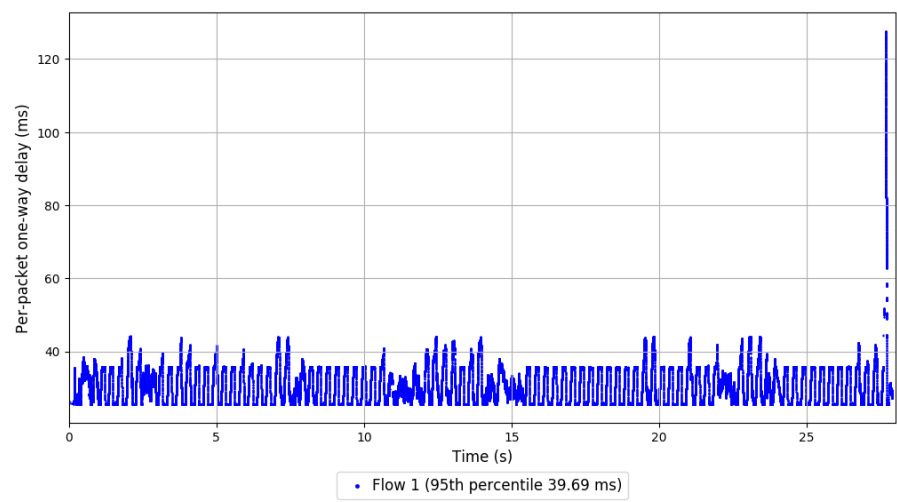
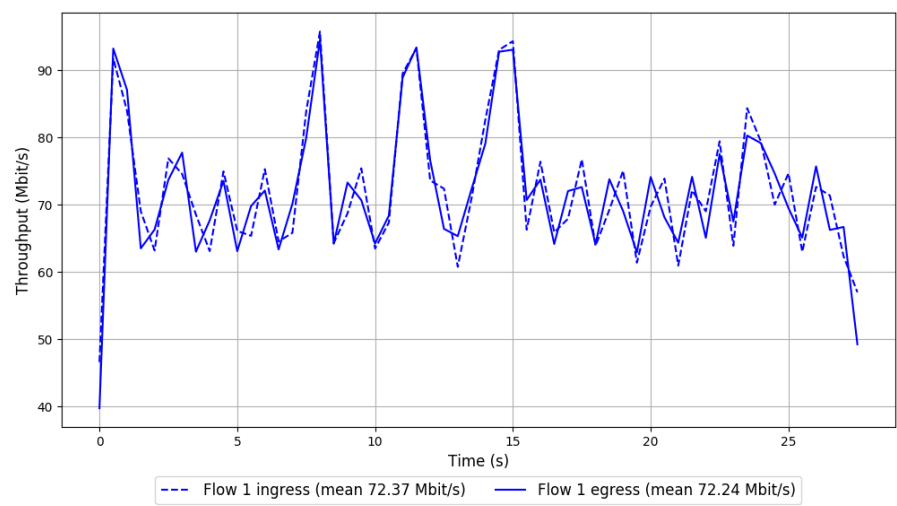


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-17 23:59:15  
End at: 2017-09-17 23:59:45  
Local clock offset: 0.602 ms  
Remote clock offset: -1.589 ms

# Below is generated by plot.py at 2017-09-18 05:25:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.24 Mbit/s  
95th percentile per-packet one-way delay: 39.693 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 72.24 Mbit/s  
95th percentile per-packet one-way delay: 39.693 ms  
Loss rate: 0.44%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-18 00:19:34

End at: 2017-09-18 00:20:04

Local clock offset: 0.582 ms

Remote clock offset: 0.709 ms

# Below is generated by plot.py at 2017-09-18 05:25:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.69 Mbit/s

95th percentile per-packet one-way delay: 35.926 ms

Loss rate: 0.46%

-- Flow 1:

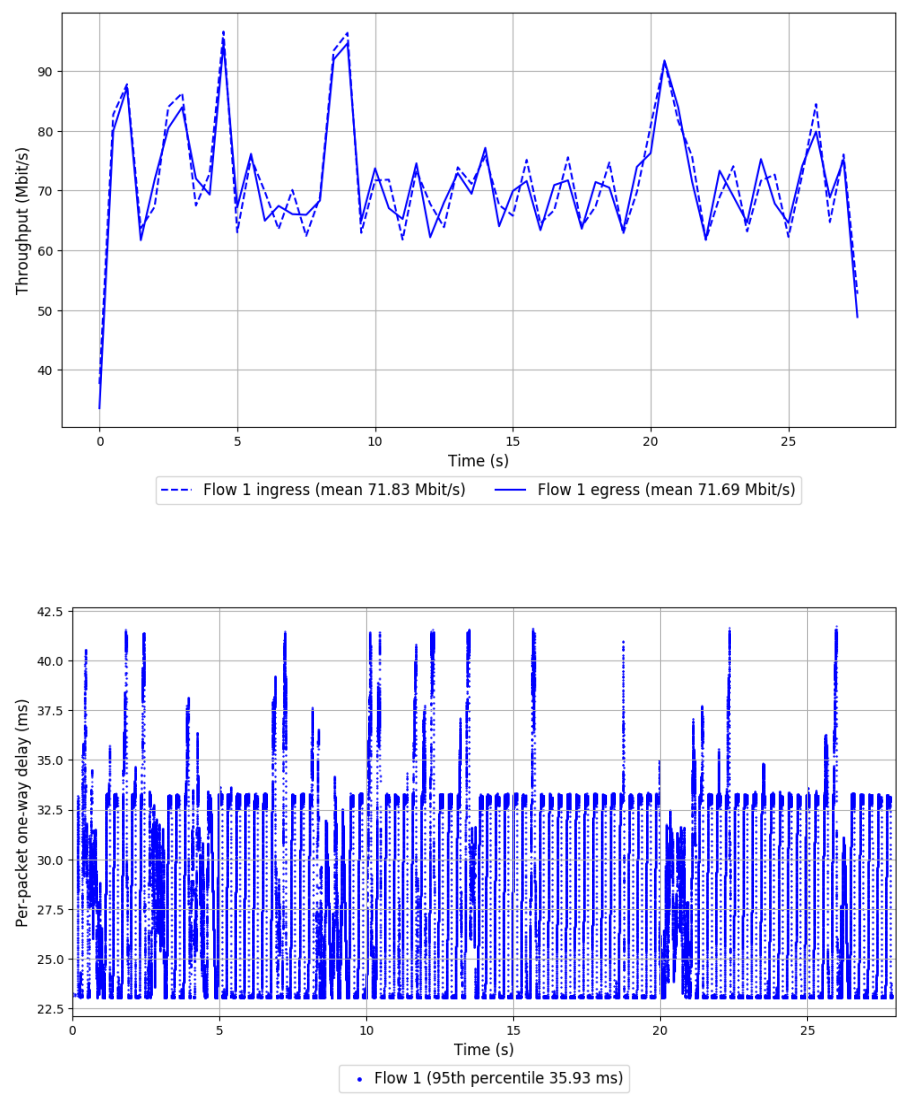
Average throughput: 71.69 Mbit/s

95th percentile per-packet one-way delay: 35.926 ms

Loss rate: 0.46%



Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-18 00:39:48

End at: 2017-09-18 00:40:18

Local clock offset: 0.757 ms

Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2017-09-18 05:25:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 37.724 ms

Loss rate: 0.69%

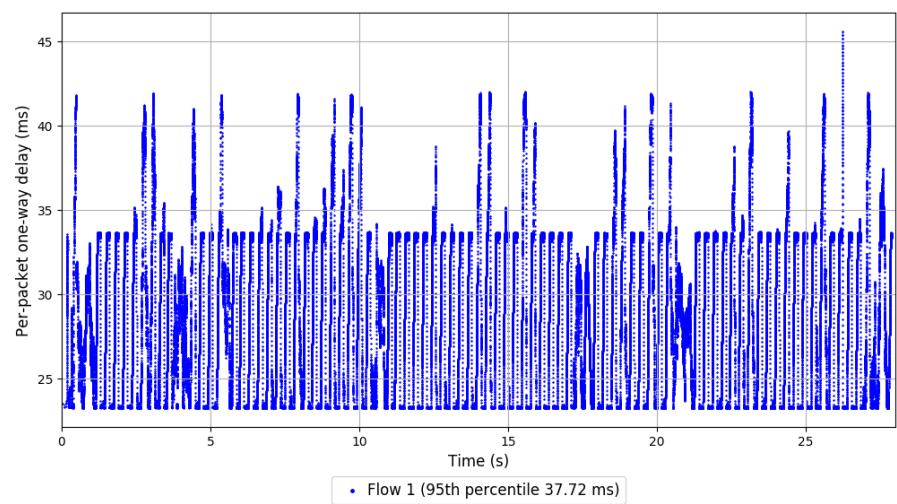
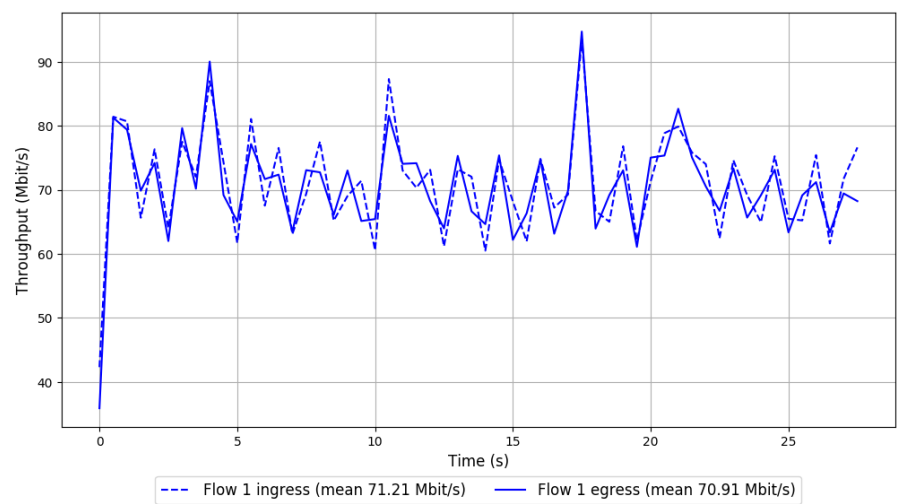
-- Flow 1:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 37.724 ms

Loss rate: 0.69%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-18 01:00:20

End at: 2017-09-18 01:00:50

Local clock offset: 0.763 ms

Remote clock offset: -2.317 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.27 Mbit/s

95th percentile per-packet one-way delay: 39.777 ms

Loss rate: 0.96%

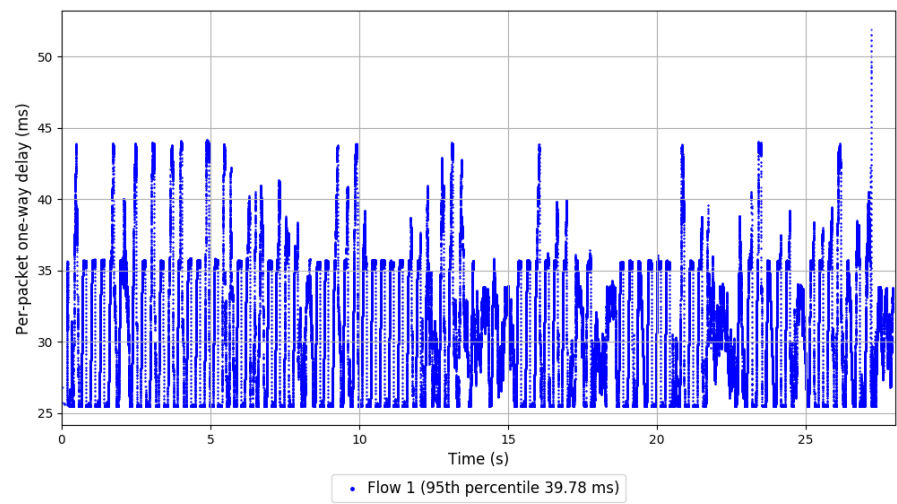
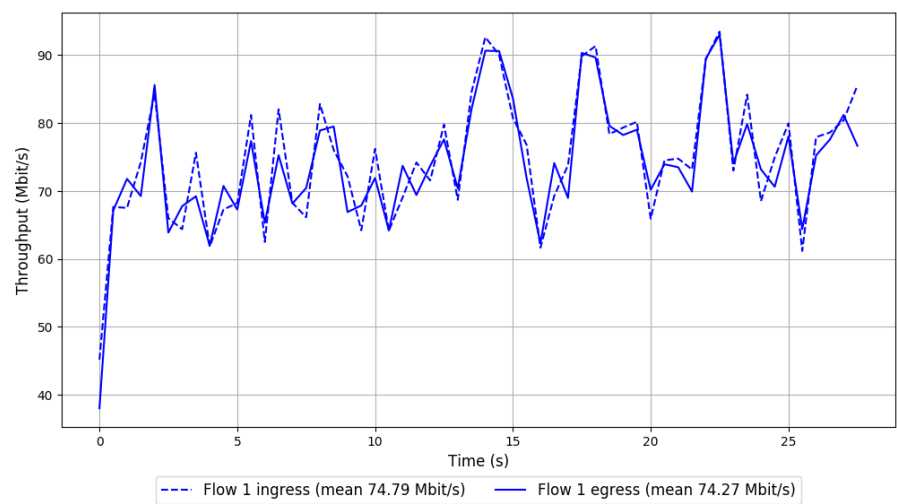
-- Flow 1:

Average throughput: 74.27 Mbit/s

95th percentile per-packet one-way delay: 39.777 ms

Loss rate: 0.96%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-18 01:20:56

End at: 2017-09-18 01:21:26

Local clock offset: 0.551 ms

Remote clock offset: -2.228 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.06 Mbit/s

95th percentile per-packet one-way delay: 40.647 ms

Loss rate: 0.75%

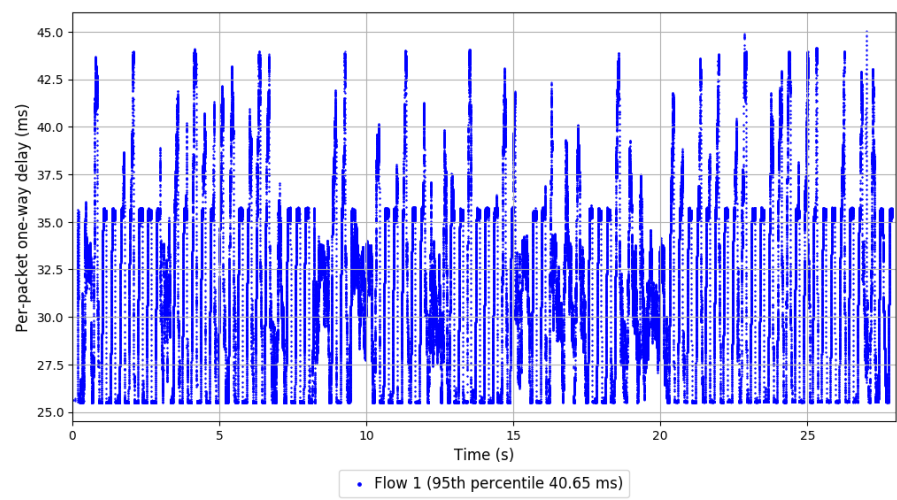
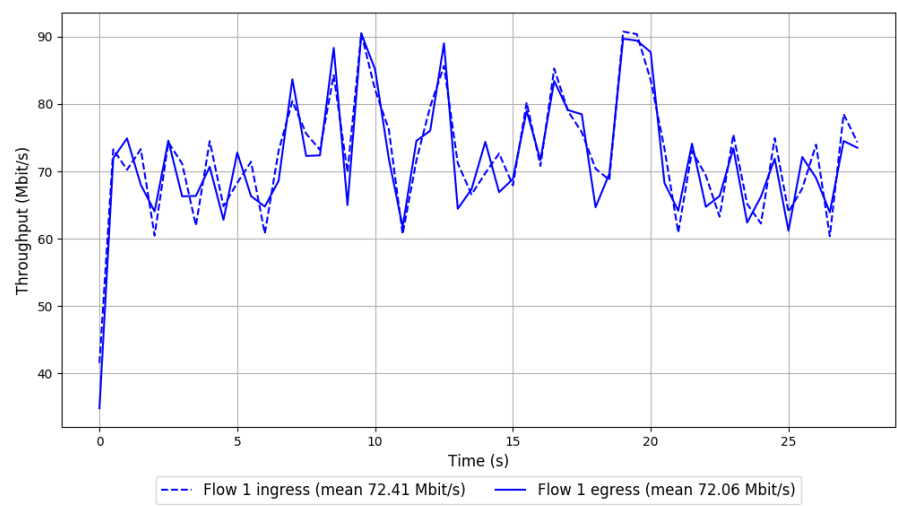
-- Flow 1:

Average throughput: 72.06 Mbit/s

95th percentile per-packet one-way delay: 40.647 ms

Loss rate: 0.75%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: 2017-09-17 22:20:26

End at: 2017-09-17 22:20:56

Local clock offset: -5.37 ms

Remote clock offset: -0.506 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 30.863 ms

Loss rate: 0.35%

-- Flow 1:

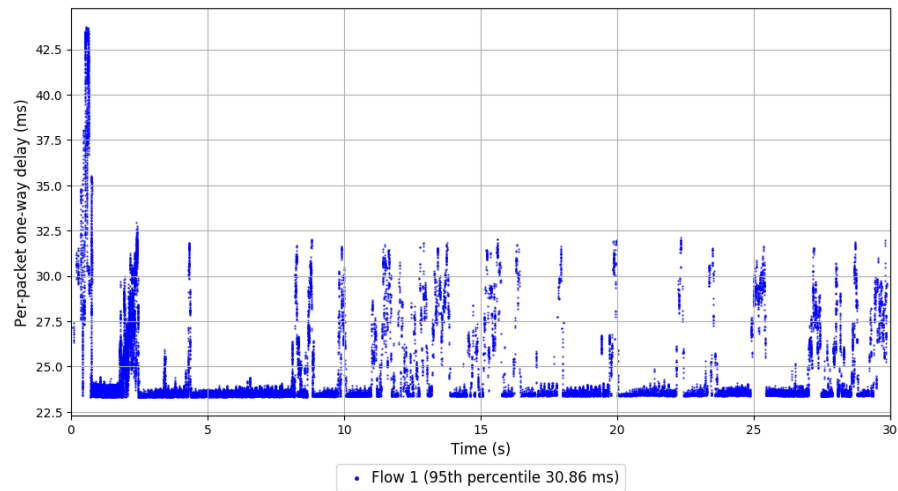
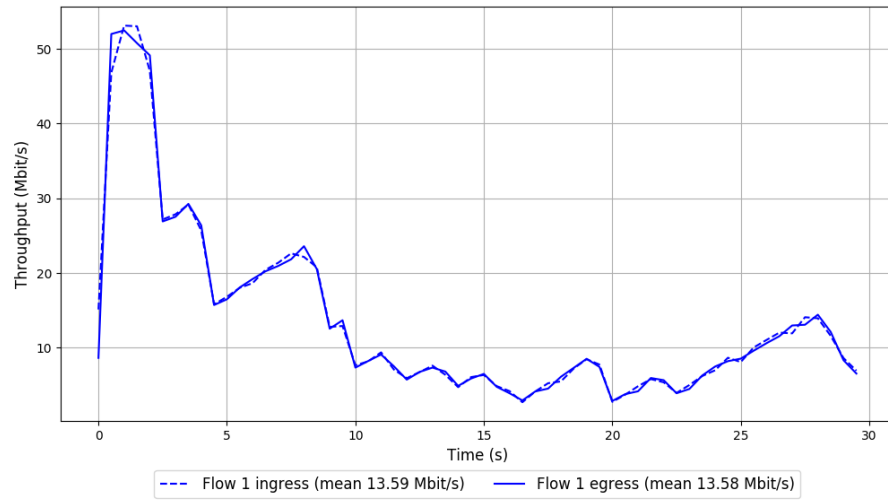
Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 30.863 ms

Loss rate: 0.35%



### Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-09-17 22:41:10

End at: 2017-09-17 22:41:40

Local clock offset: -7.727 ms

Remote clock offset: 0.347 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.35 Mbit/s

95th percentile per-packet one-way delay: 38.246 ms

Loss rate: 0.39%

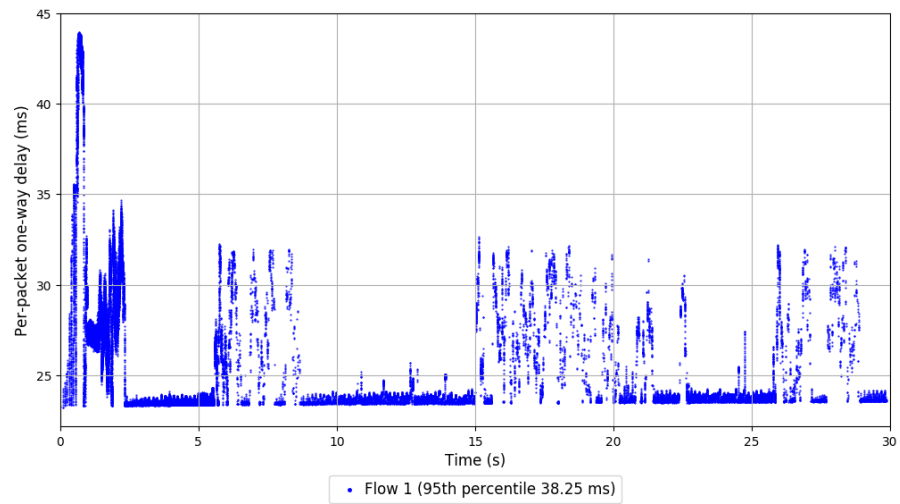
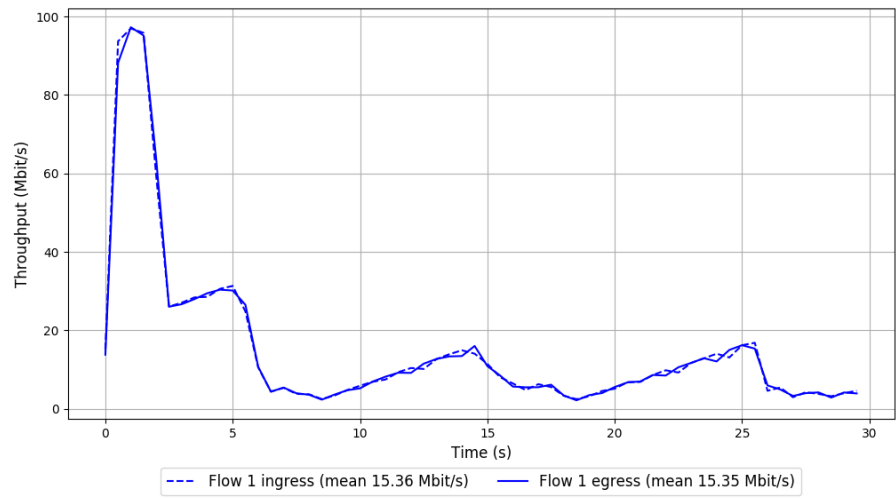
-- Flow 1:

Average throughput: 15.35 Mbit/s

95th percentile per-packet one-way delay: 38.246 ms

Loss rate: 0.39%

## Run 2: Report of TCP Vegas — Data Link

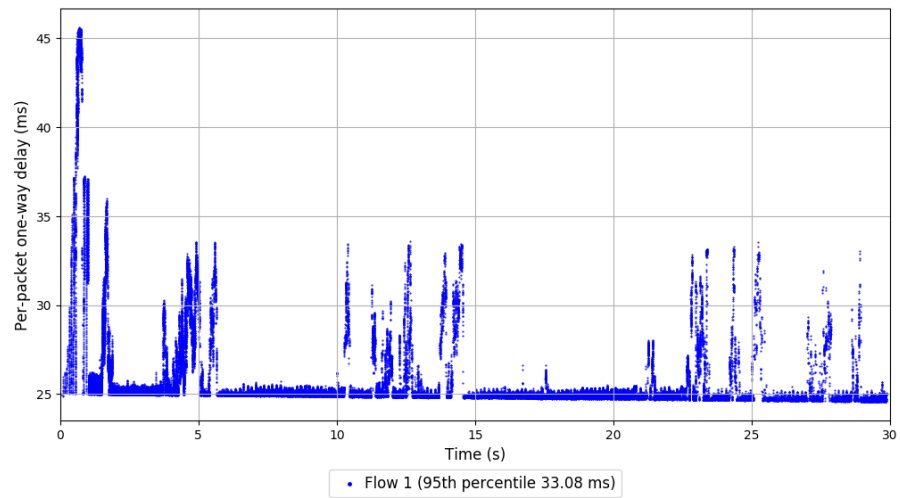
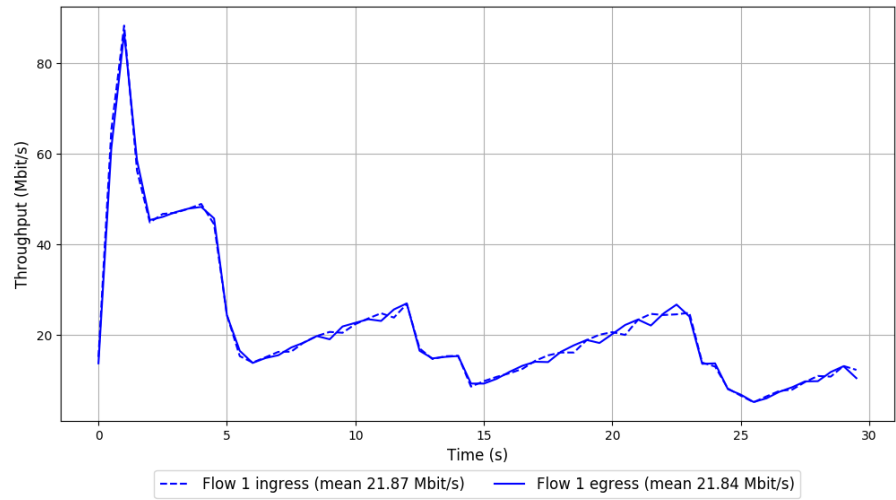


Run 3: Statistics of TCP Vegas

Start at: 2017-09-17 23:01:34  
End at: 2017-09-17 23:02:04  
Local clock offset: -0.648 ms  
Remote clock offset: -1.534 ms

# Below is generated by plot.py at 2017-09-18 05:27:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.84 Mbit/s  
95th percentile per-packet one-way delay: 33.080 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 21.84 Mbit/s  
95th percentile per-packet one-way delay: 33.080 ms  
Loss rate: 0.38%

### Run 3: Report of TCP Vegas — Data Link

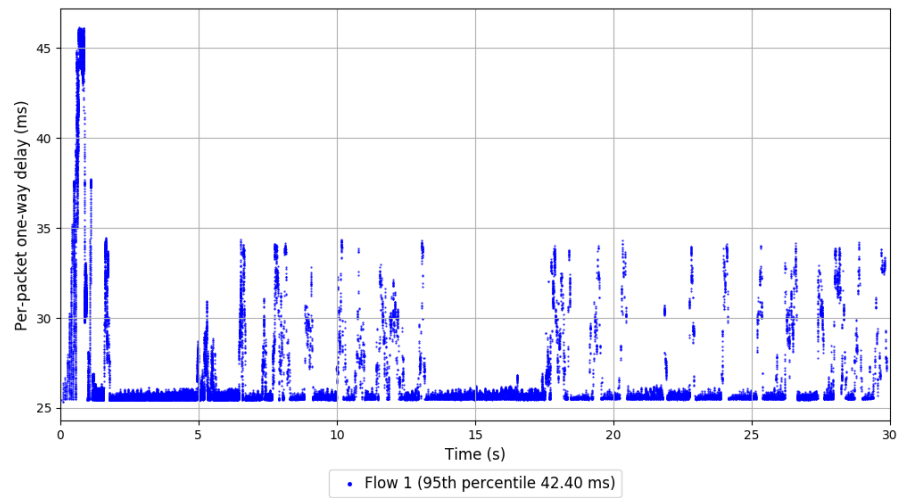
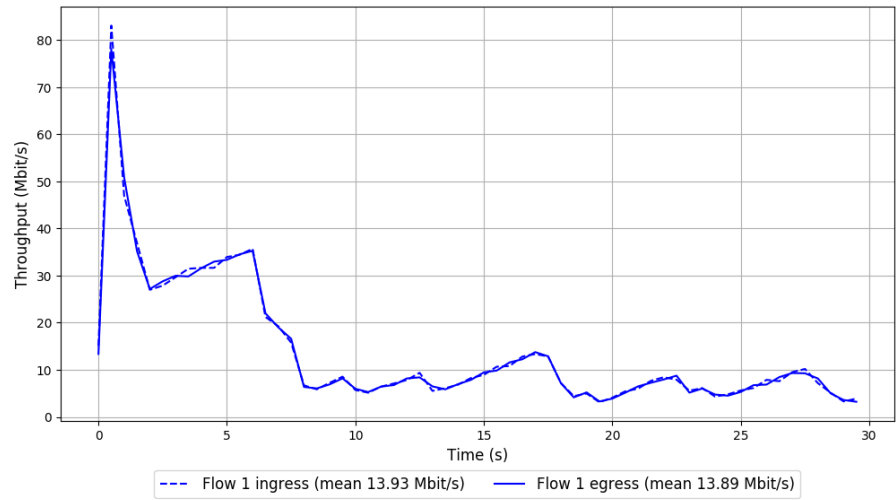


Run 4: Statistics of TCP Vegas

Start at: 2017-09-17 23:22:18  
End at: 2017-09-17 23:22:48  
Local clock offset: 0.227 ms  
Remote clock offset: -1.581 ms

# Below is generated by plot.py at 2017-09-18 05:27:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.89 Mbit/s  
95th percentile per-packet one-way delay: 42.403 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 13.89 Mbit/s  
95th percentile per-packet one-way delay: 42.403 ms  
Loss rate: 0.55%

#### Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-09-17 23:43:07

End at: 2017-09-17 23:43:37

Local clock offset: 0.659 ms

Remote clock offset: 0.618 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 30.744 ms

Loss rate: 0.44%

-- Flow 1:

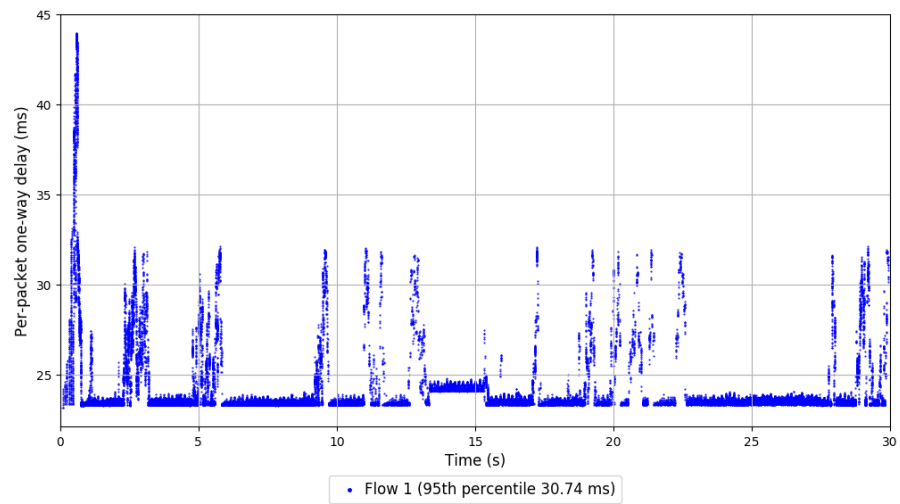
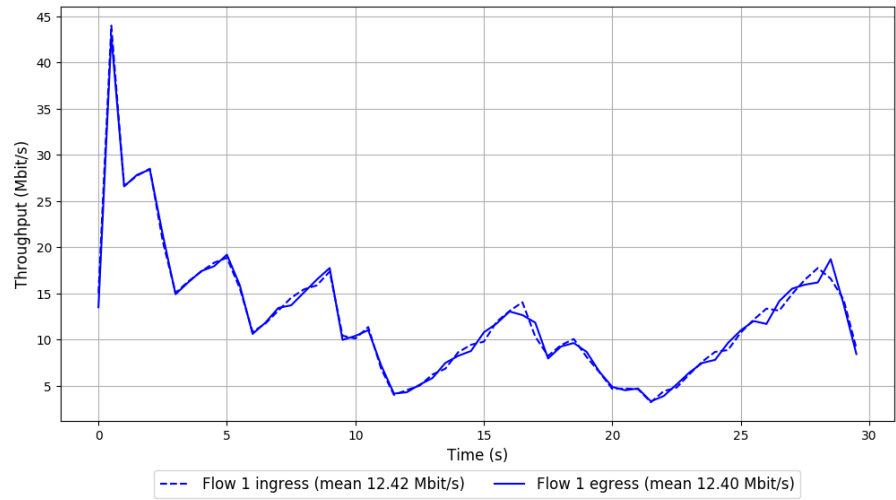
Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 30.744 ms

Loss rate: 0.44%



### Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-09-18 00:03:33

End at: 2017-09-18 00:04:03

Local clock offset: 0.559 ms

Remote clock offset: 0.555 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 33.071 ms

Loss rate: 0.43%

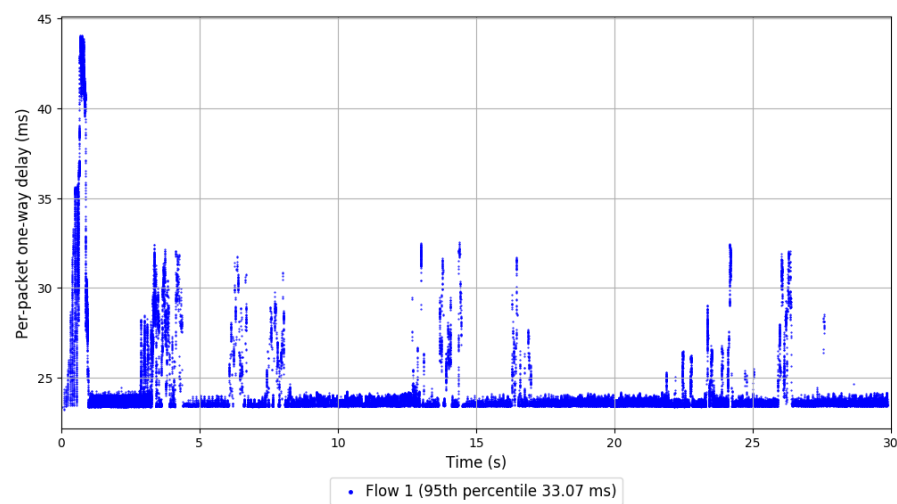
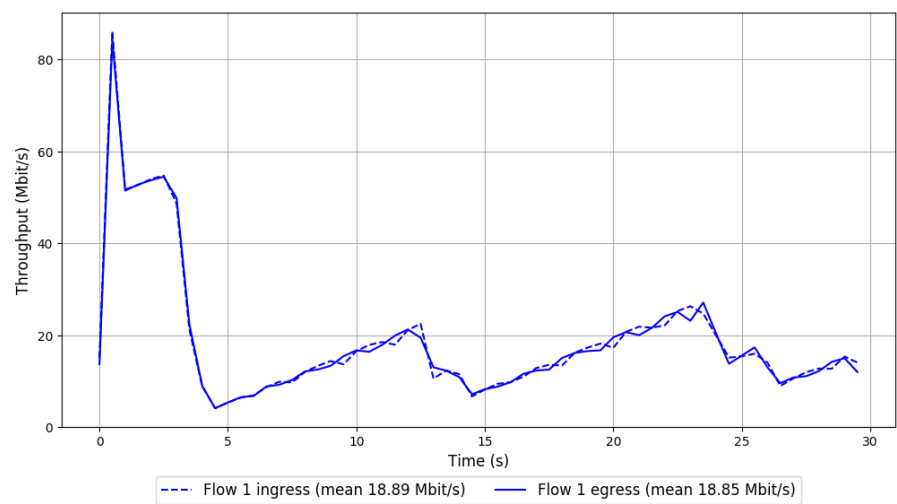
-- Flow 1:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 33.071 ms

Loss rate: 0.43%

Run 6: Report of TCP Vegas — Data Link

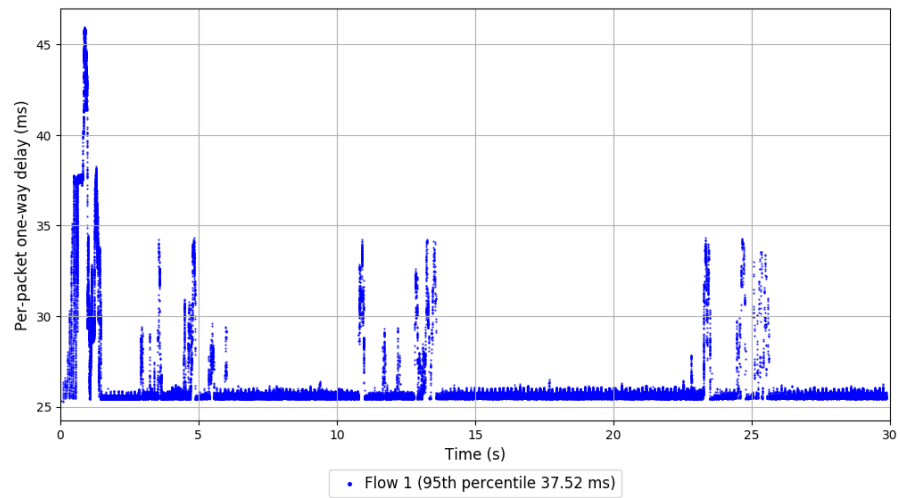
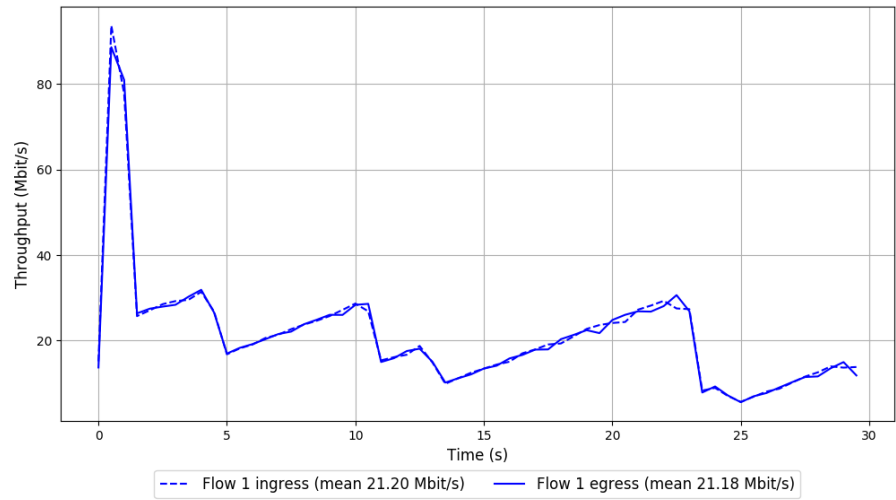


Run 7: Statistics of TCP Vegas

Start at: 2017-09-18 00:23:54  
End at: 2017-09-18 00:24:24  
Local clock offset: 0.467 ms  
Remote clock offset: -1.821 ms

# Below is generated by plot.py at 2017-09-18 05:27:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.18 Mbit/s  
95th percentile per-packet one-way delay: 37.517 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 21.18 Mbit/s  
95th percentile per-packet one-way delay: 37.517 ms  
Loss rate: 0.36%

## Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-18 00:44:08

End at: 2017-09-18 00:44:38

Local clock offset: 0.796 ms

Remote clock offset: -2.19 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.70 Mbit/s

95th percentile per-packet one-way delay: 40.434 ms

Loss rate: 0.23%

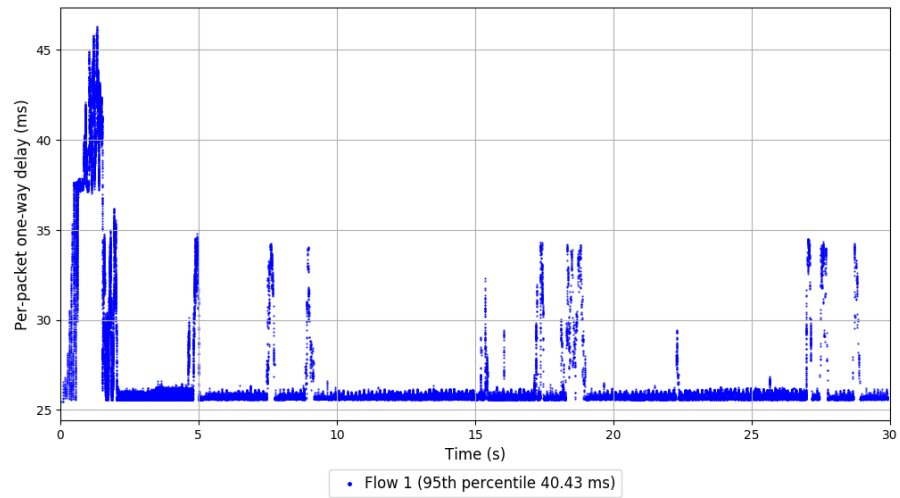
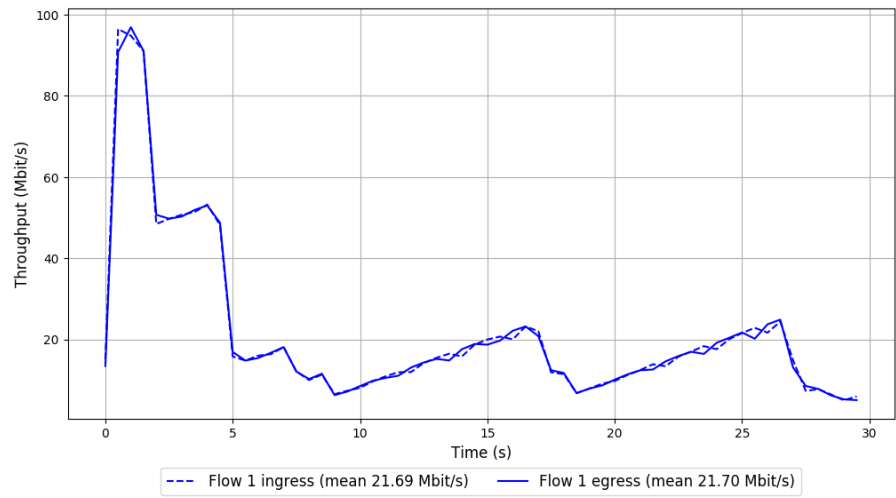
-- Flow 1:

Average throughput: 21.70 Mbit/s

95th percentile per-packet one-way delay: 40.434 ms

Loss rate: 0.23%

# Run 8: Report of TCP Vegas — Data Link



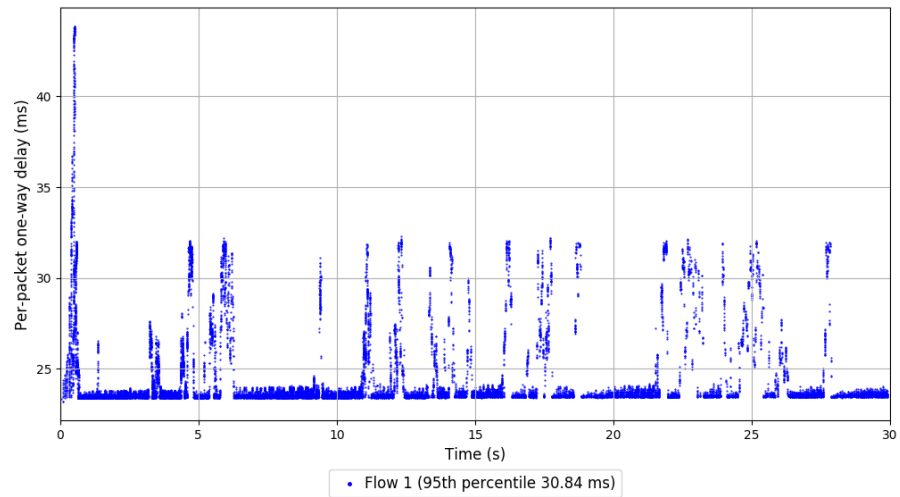
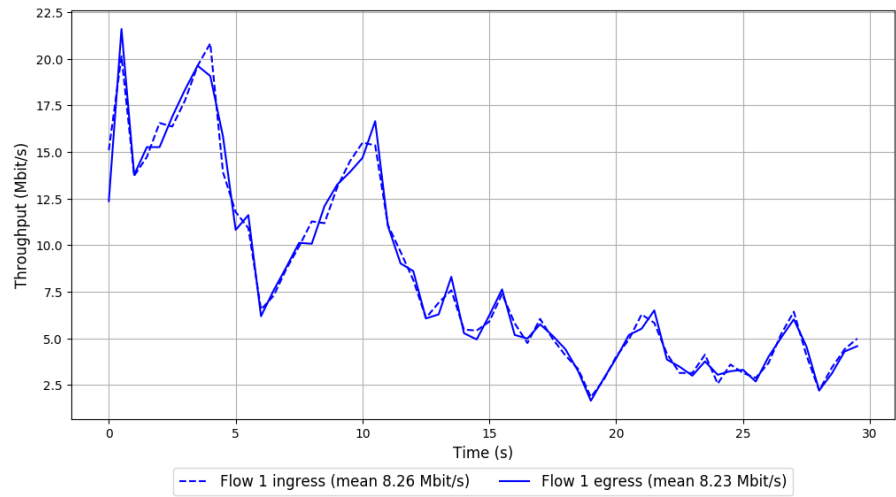
Run 9: Statistics of TCP Vegas

Start at: 2017-09-18 01:04:52  
End at: 2017-09-18 01:05:22  
Local clock offset: 0.838 ms  
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2017-09-18 05:27:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.23 Mbit/s  
95th percentile per-packet one-way delay: 30.835 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 8.23 Mbit/s  
95th percentile per-packet one-way delay: 30.835 ms  
Loss rate: 0.52%



### Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-09-18 01:25:13

End at: 2017-09-18 01:25:43

Local clock offset: 0.444 ms

Remote clock offset: 0.328 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 28.756 ms

Loss rate: 0.62%

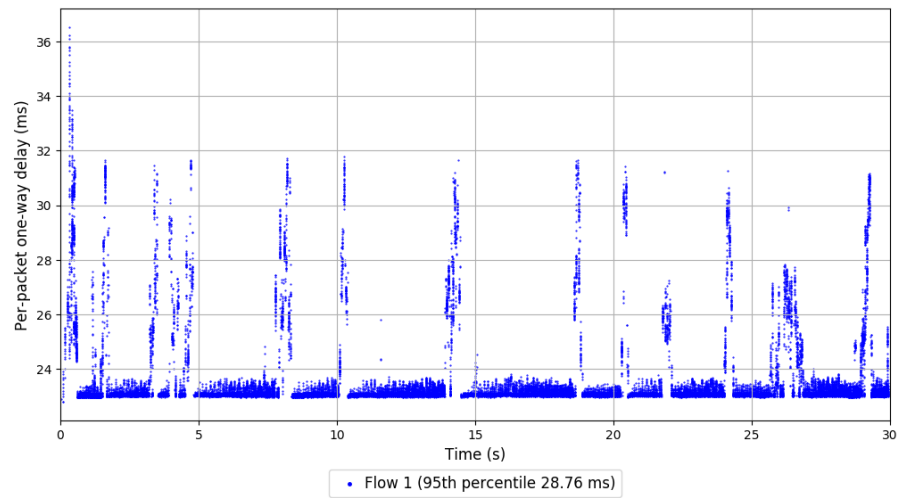
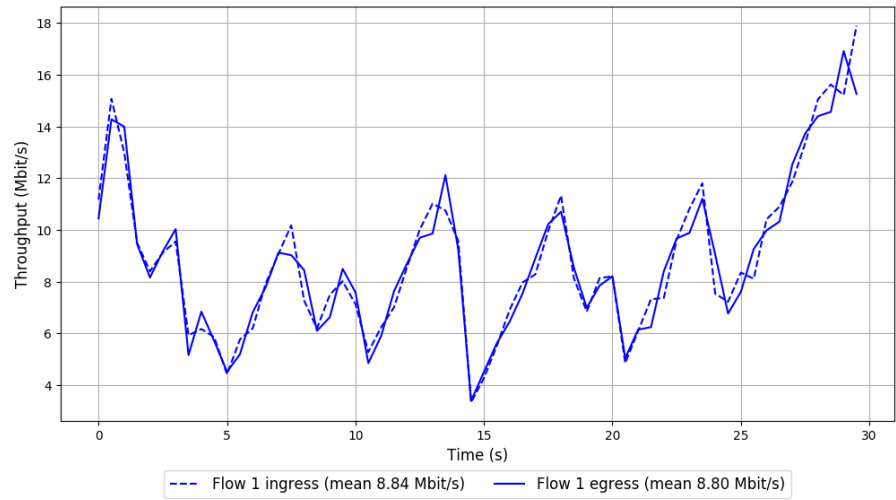
-- Flow 1:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 28.756 ms

Loss rate: 0.62%

# Run 10: Report of TCP Vegas — Data Link

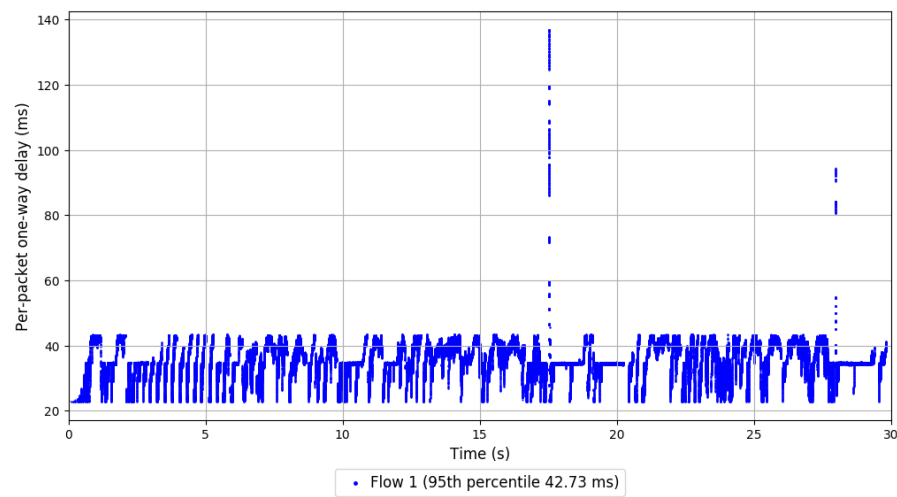
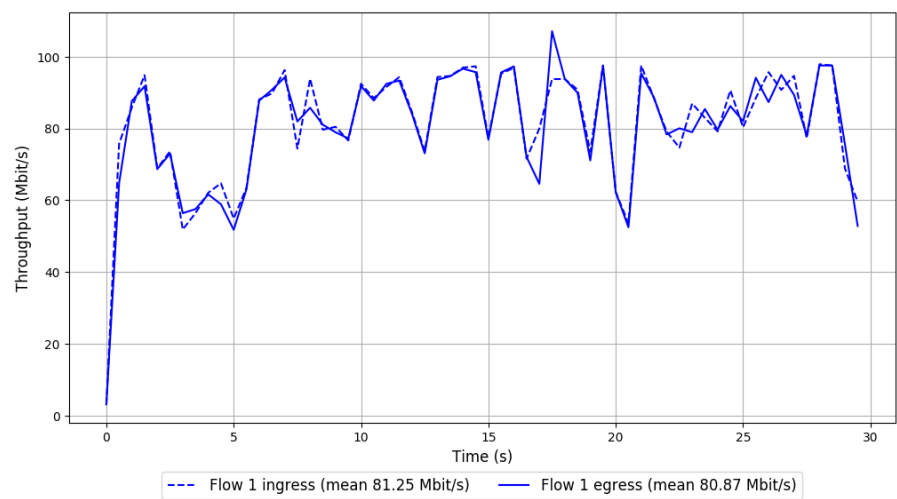


Run 1: Statistics of Verus

Start at: 2017-09-17 22:18:53  
End at: 2017-09-17 22:19:23  
Local clock offset: -5.407 ms  
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2017-09-18 05:27:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.87 Mbit/s  
95th percentile per-packet one-way delay: 42.733 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 80.87 Mbit/s  
95th percentile per-packet one-way delay: 42.733 ms  
Loss rate: 0.79%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-09-17 22:39:33

End at: 2017-09-17 22:40:03

Local clock offset: -7.299 ms

Remote clock offset: 0.279 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 43.234 ms

Loss rate: 0.96%

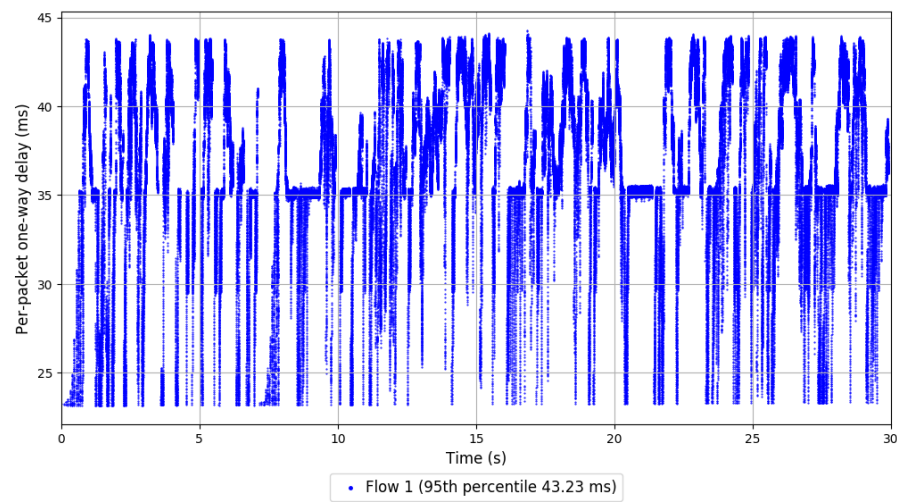
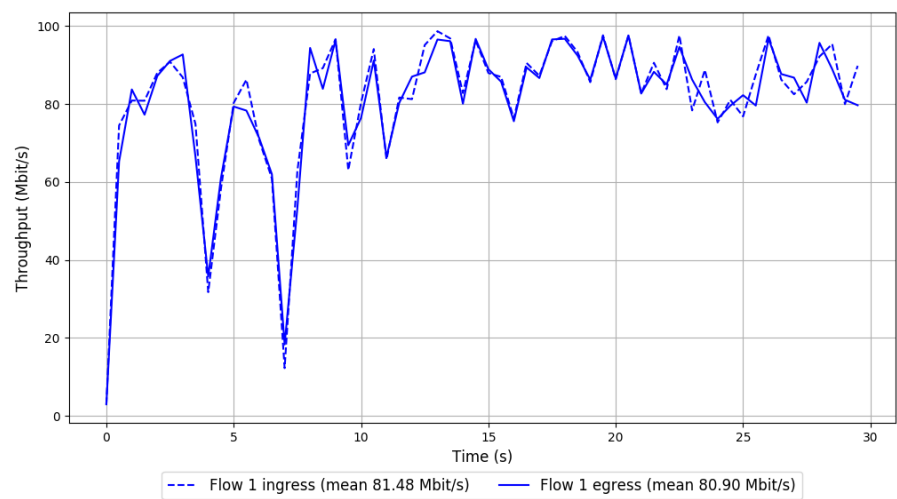
-- Flow 1:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 43.234 ms

Loss rate: 0.96%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-09-17 23:00:06

End at: 2017-09-17 23:00:36

Local clock offset: -1.505 ms

Remote clock offset: 0.458 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.31 Mbit/s

95th percentile per-packet one-way delay: 43.055 ms

Loss rate: 0.88%

-- Flow 1:

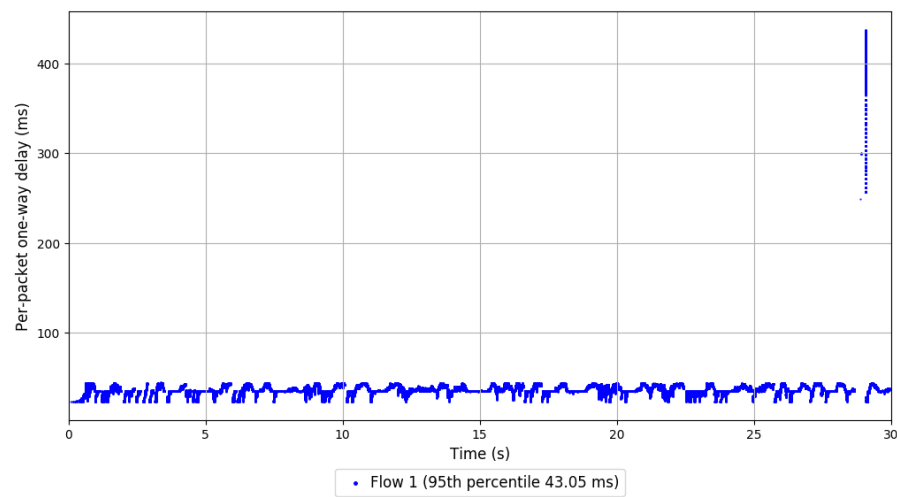
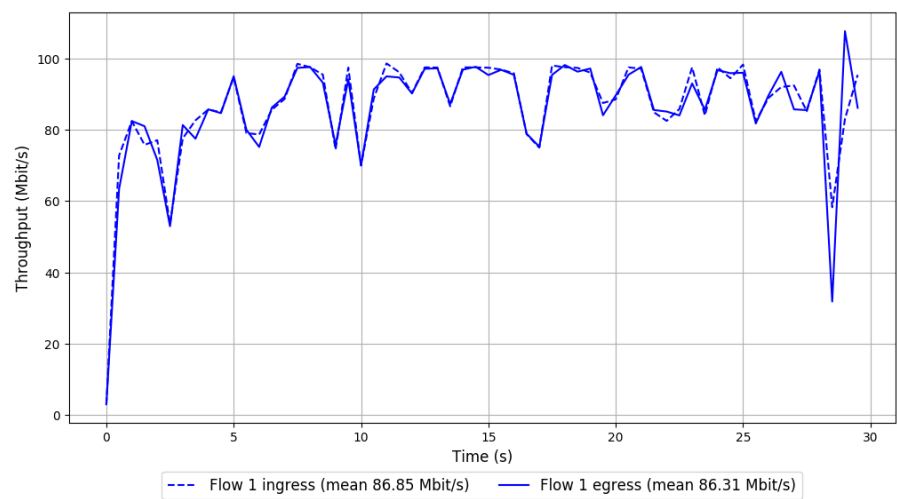
Average throughput: 86.31 Mbit/s

95th percentile per-packet one-way delay: 43.055 ms

Loss rate: 0.88%



Run 3: Report of Verus — Data Link

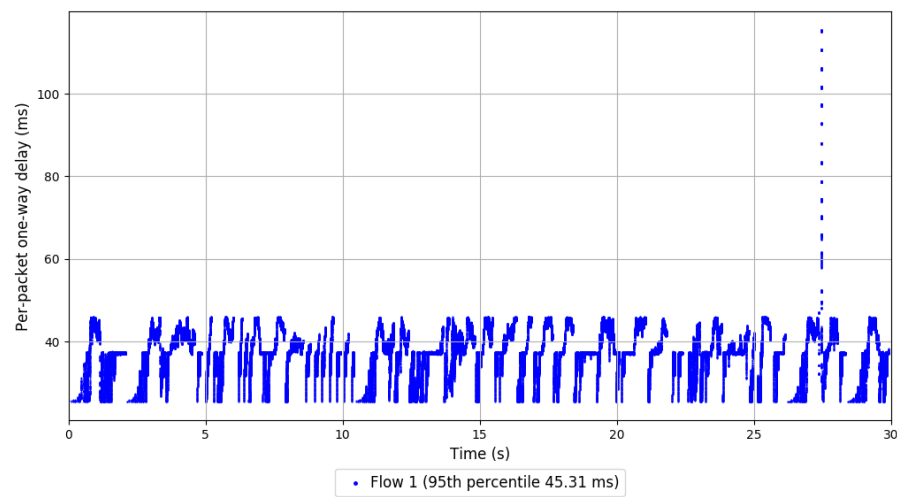
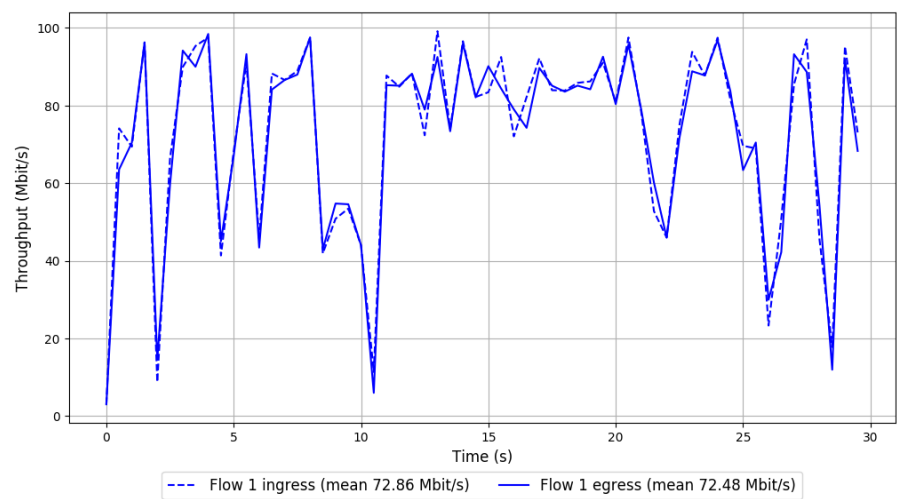


Run 4: Statistics of Verus

Start at: 2017-09-17 23:20:51  
End at: 2017-09-17 23:21:21  
Local clock offset: 0.279 ms  
Remote clock offset: -1.459 ms

# Below is generated by plot.py at 2017-09-18 05:27:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.48 Mbit/s  
95th percentile per-packet one-way delay: 45.315 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 72.48 Mbit/s  
95th percentile per-packet one-way delay: 45.315 ms  
Loss rate: 0.81%

Run 4: Report of Verus — Data Link

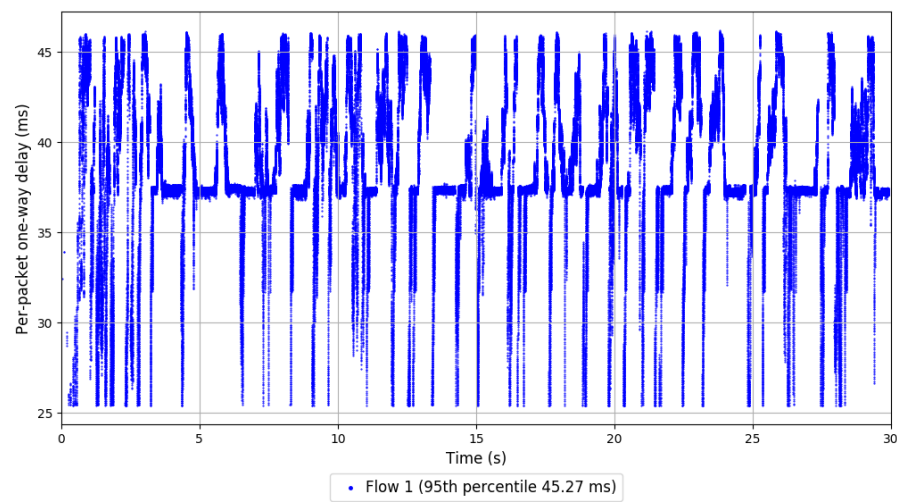
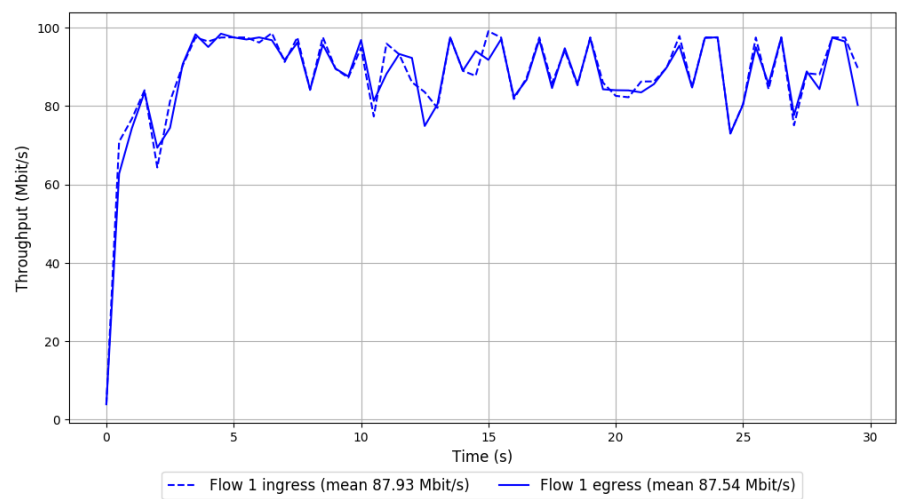


Run 5: Statistics of Verus

Start at: 2017-09-17 23:41:37  
End at: 2017-09-17 23:42:07  
Local clock offset: 0.61 ms  
Remote clock offset: -1.448 ms

# Below is generated by plot.py at 2017-09-18 05:27:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.54 Mbit/s  
95th percentile per-packet one-way delay: 45.267 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 87.54 Mbit/s  
95th percentile per-packet one-way delay: 45.267 ms  
Loss rate: 0.72%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-09-18 00:02:07

End at: 2017-09-18 00:02:37

Local clock offset: 0.481 ms

Remote clock offset: 1.079 ms

# Below is generated by plot.py at 2017-09-18 05:27:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.97 Mbit/s

95th percentile per-packet one-way delay: 42.123 ms

Loss rate: 0.66%

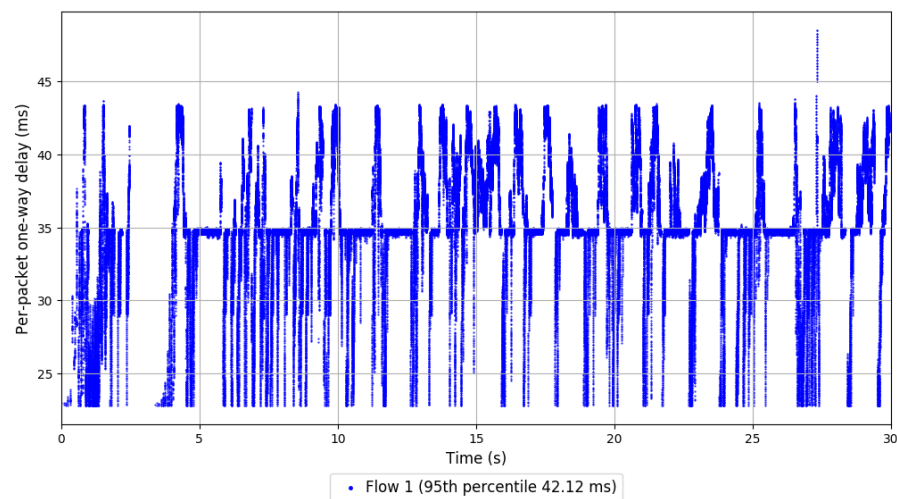
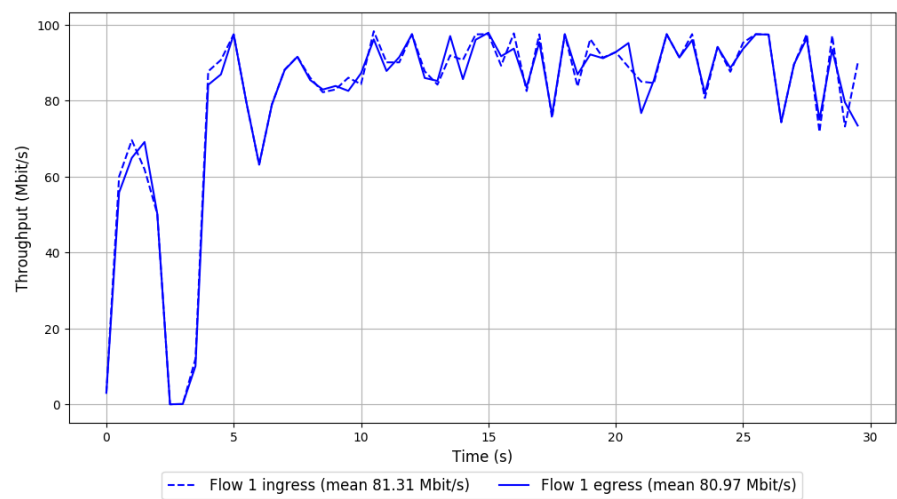
-- Flow 1:

Average throughput: 80.97 Mbit/s

95th percentile per-packet one-way delay: 42.123 ms

Loss rate: 0.66%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-09-18 00:22:24

End at: 2017-09-18 00:22:54

Local clock offset: 0.587 ms

Remote clock offset: 0.779 ms

# Below is generated by plot.py at 2017-09-18 05:27:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 41.755 ms

Loss rate: 0.43%

-- Flow 1:

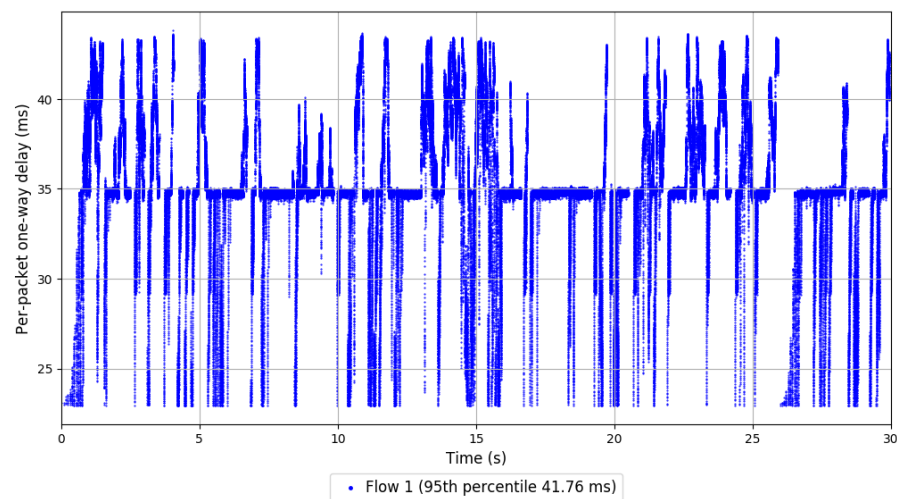
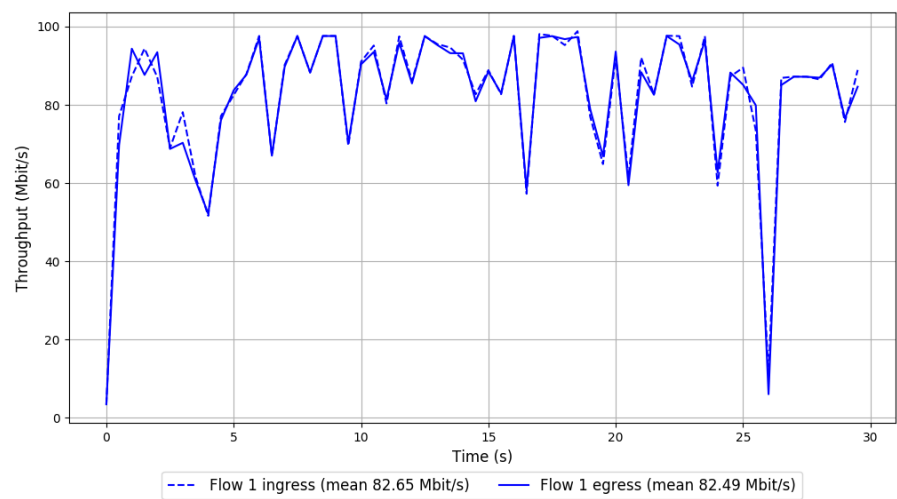
Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 41.755 ms

Loss rate: 0.43%



Run 7: Report of Verus — Data Link

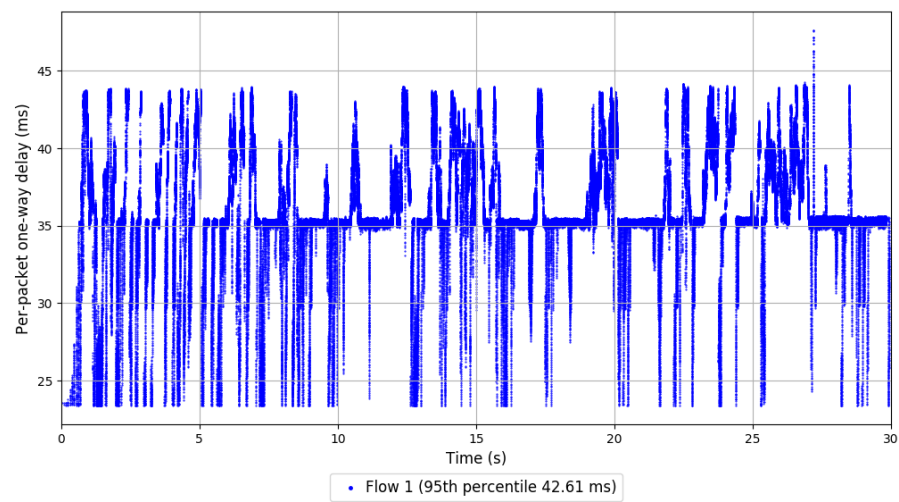
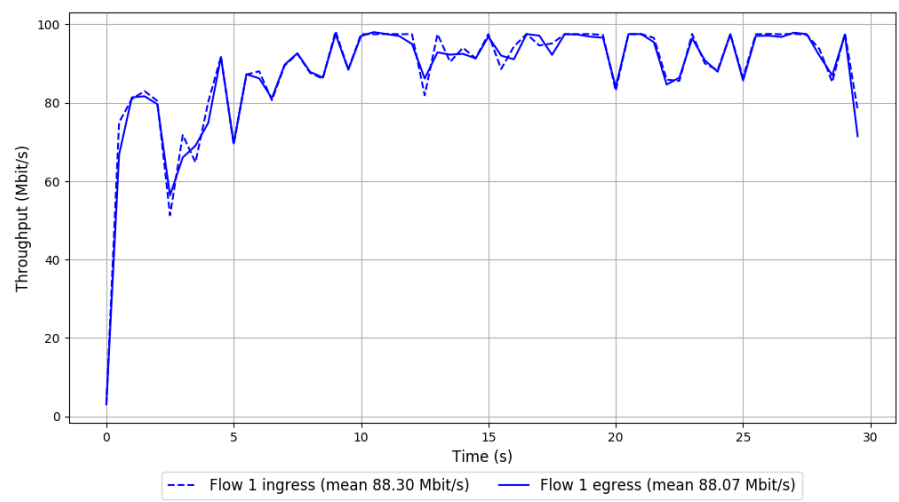


Run 8: Statistics of Verus

Start at: 2017-09-18 00:42:43  
End at: 2017-09-18 00:43:13  
Local clock offset: 0.693 ms  
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2017-09-18 05:27:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.07 Mbit/s  
95th percentile per-packet one-way delay: 42.614 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 88.07 Mbit/s  
95th percentile per-packet one-way delay: 42.614 ms  
Loss rate: 0.53%

Run 8: Report of Verus — Data Link

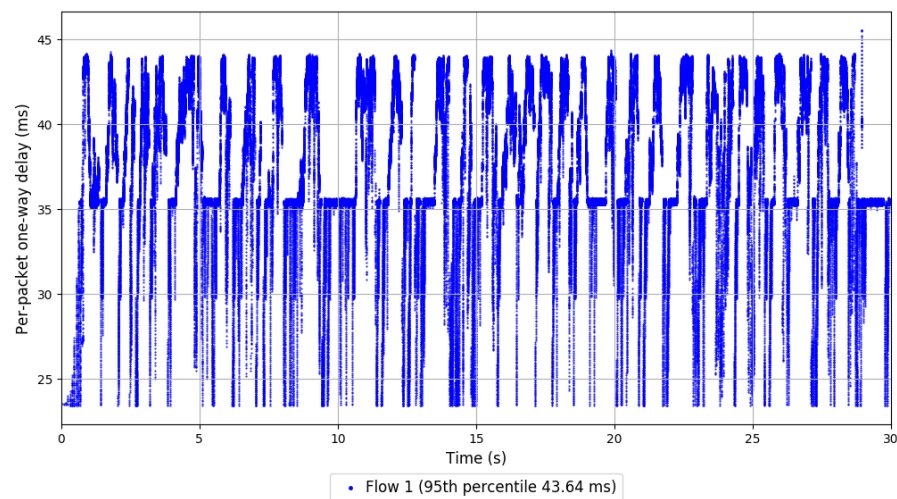
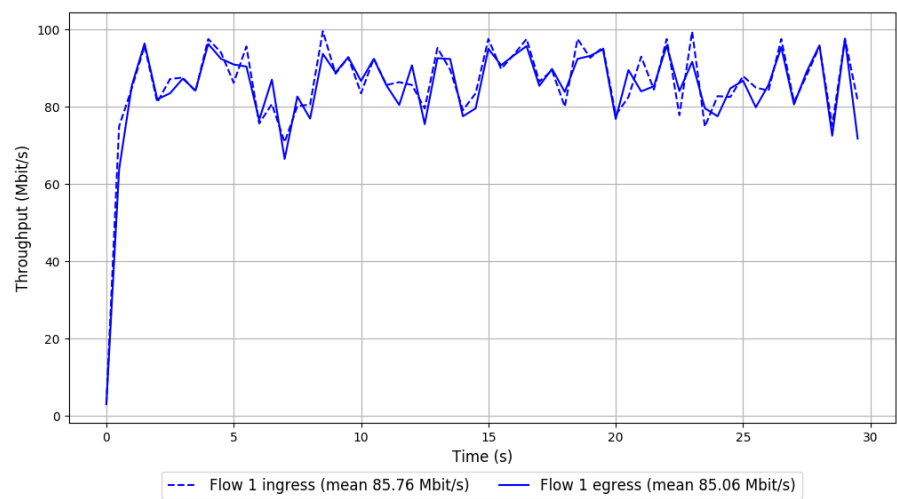


Run 9: Statistics of Verus

Start at: 2017-09-18 01:03:21  
End at: 2017-09-18 01:03:51  
Local clock offset: 0.739 ms  
Remote clock offset: -0.248 ms

# Below is generated by plot.py at 2017-09-18 05:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.06 Mbit/s  
95th percentile per-packet one-way delay: 43.636 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 85.06 Mbit/s  
95th percentile per-packet one-way delay: 43.636 ms  
Loss rate: 1.08%

Run 9: Report of Verus — Data Link

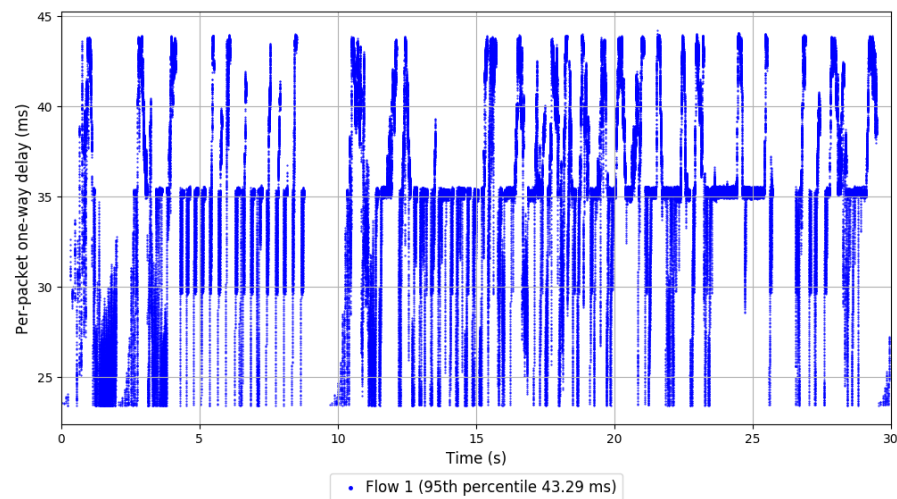
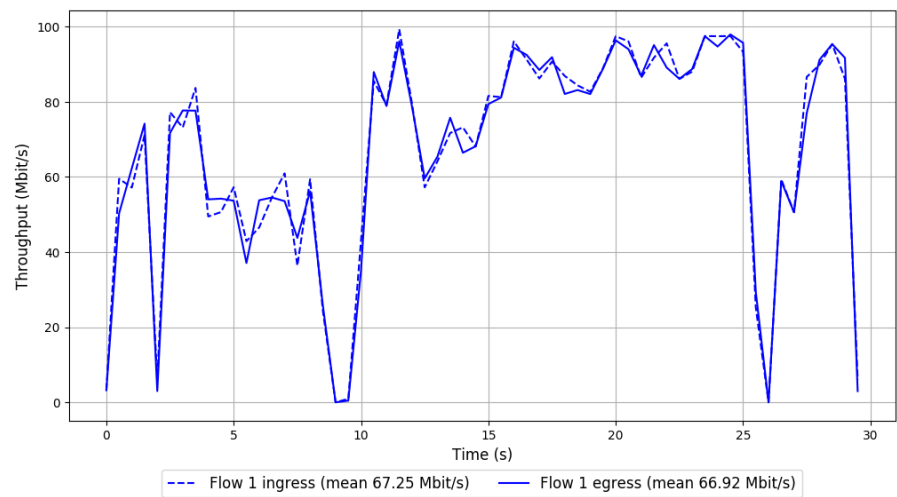


Run 10: Statistics of Verus

Start at: 2017-09-18 01:23:48  
End at: 2017-09-18 01:24:18  
Local clock offset: 0.571 ms  
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2017-09-18 05:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.92 Mbit/s  
95th percentile per-packet one-way delay: 43.286 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 66.92 Mbit/s  
95th percentile per-packet one-way delay: 43.286 ms  
Loss rate: 0.73%

Run 10: Report of Verus — Data Link



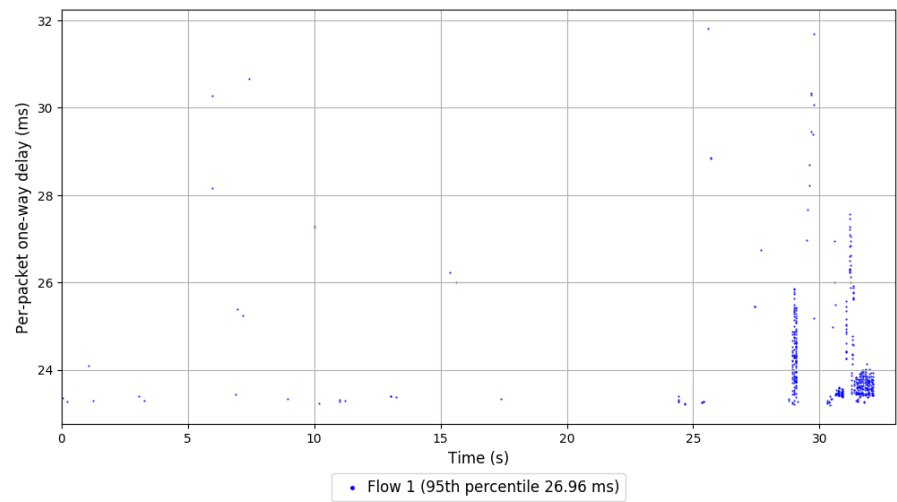
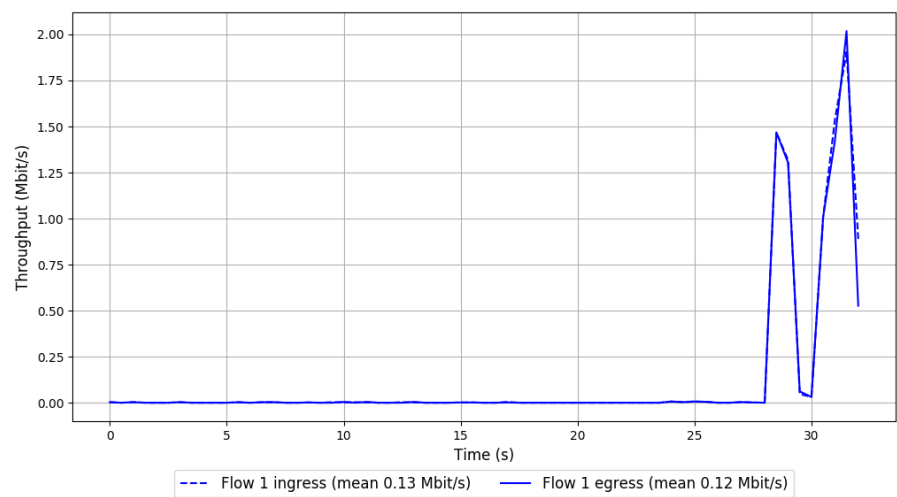
Run 1: Statistics of WebRTC media

Start at: 2017-09-17 22:13:01  
End at: 2017-09-17 22:13:31  
Local clock offset: -5.617 ms  
Remote clock offset: -0.716 ms

# Below is generated by plot.py at 2017-09-18 05:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 26.963 ms  
Loss rate: 4.41%  
-- Flow 1:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 26.963 ms  
Loss rate: 4.41%



Run 1: Report of WebRTC media — Data Link

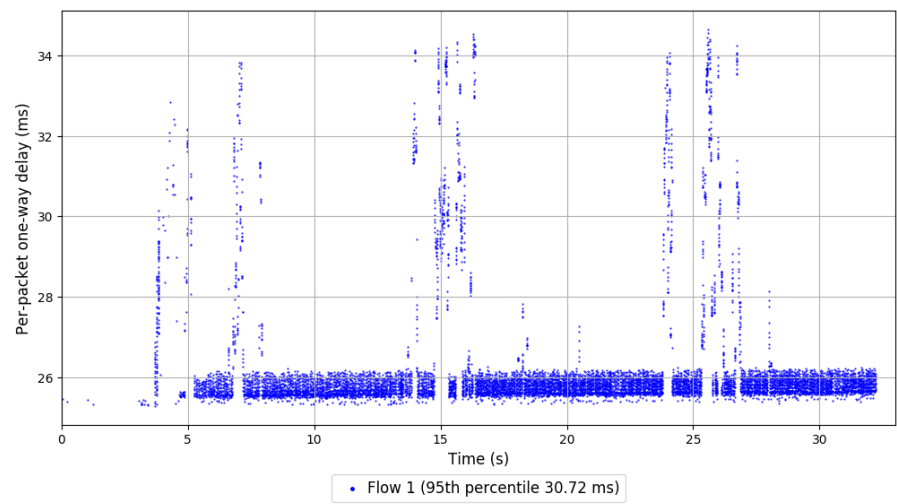
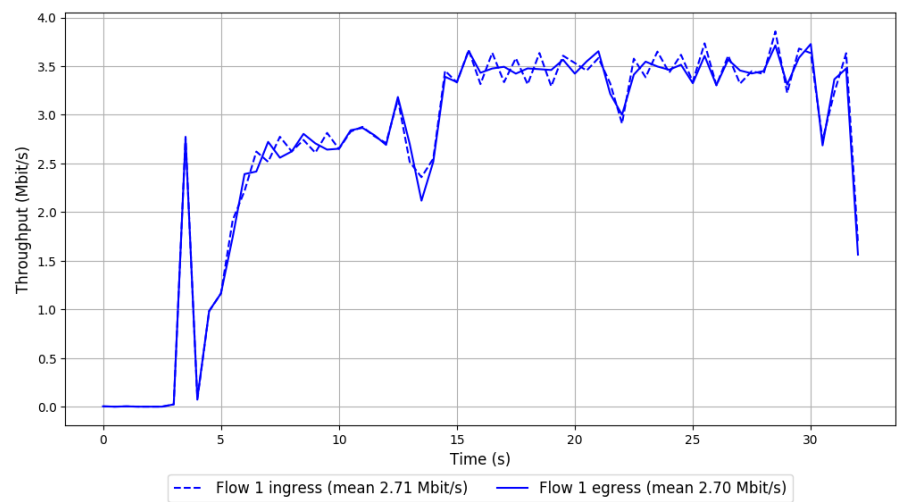


Run 2: Statistics of WebRTC media

Start at: 2017-09-17 22:33:55  
End at: 2017-09-17 22:34:25  
Local clock offset: -5.929 ms  
Remote clock offset: -2.312 ms

# Below is generated by plot.py at 2017-09-18 05:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.70 Mbit/s  
95th percentile per-packet one-way delay: 30.716 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 2.70 Mbit/s  
95th percentile per-packet one-way delay: 30.716 ms  
Loss rate: 0.45%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-09-17 22:54:44

End at: 2017-09-17 22:55:15

Local clock offset: -4.702 ms

Remote clock offset: 0.359 ms

# Below is generated by plot.py at 2017-09-18 05:27:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.89 Mbit/s

95th percentile per-packet one-way delay: 28.713 ms

Loss rate: 0.47%

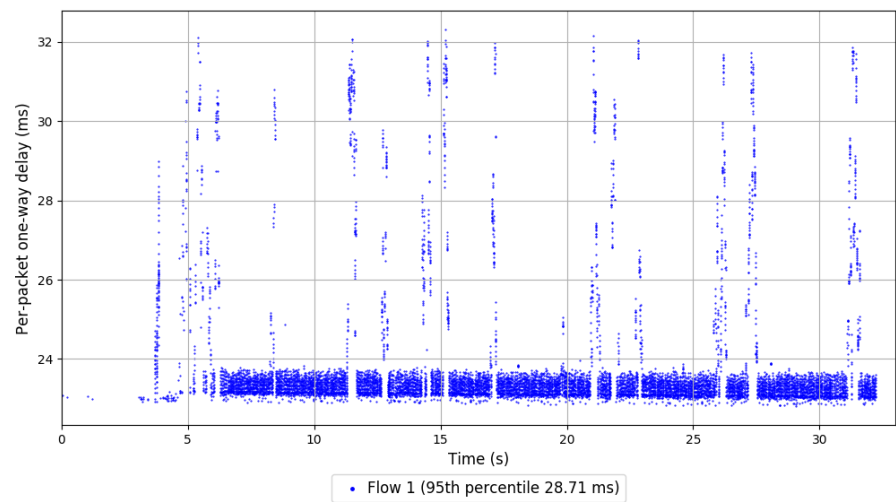
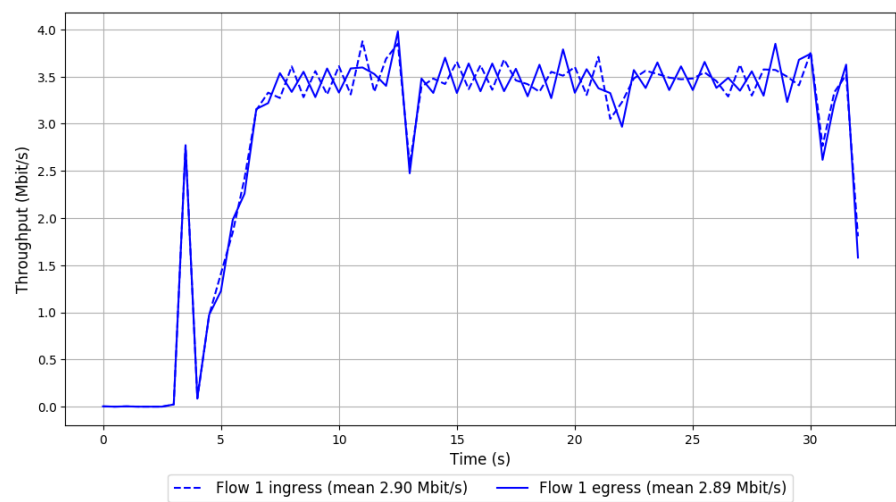
-- Flow 1:

Average throughput: 2.89 Mbit/s

95th percentile per-packet one-way delay: 28.713 ms

Loss rate: 0.47%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-09-17 23:15:00

End at: 2017-09-17 23:15:30

Local clock offset: 0.203 ms

Remote clock offset: 0.496 ms

# Below is generated by plot.py at 2017-09-18 05:27:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 24.068 ms

Loss rate: 0.34%

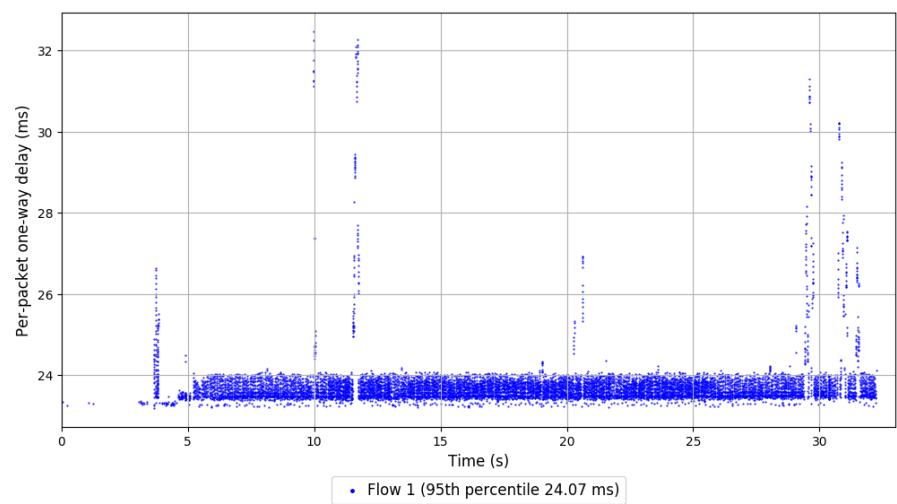
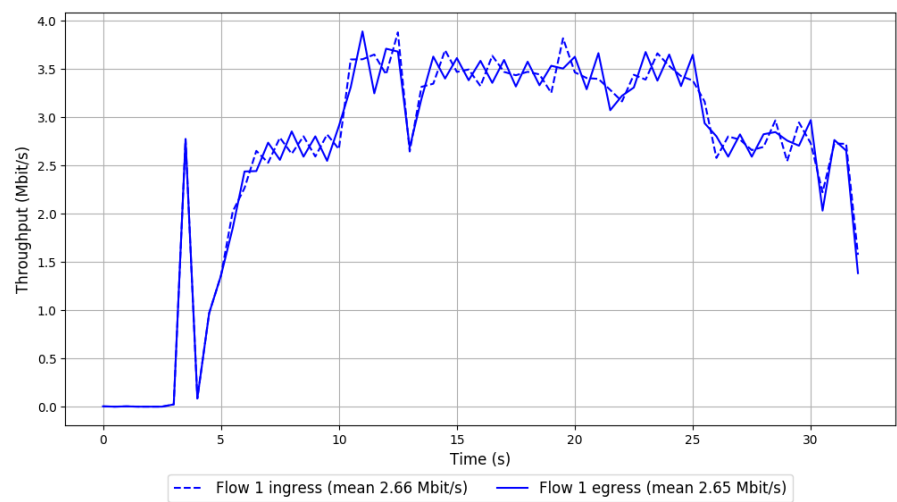
-- Flow 1:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 24.068 ms

Loss rate: 0.34%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-17 23:35:50

End at: 2017-09-17 23:36:20

Local clock offset: 0.666 ms

Remote clock offset: 0.541 ms

# Below is generated by plot.py at 2017-09-18 05:27:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 29.158 ms

Loss rate: 0.43%

-- Flow 1:

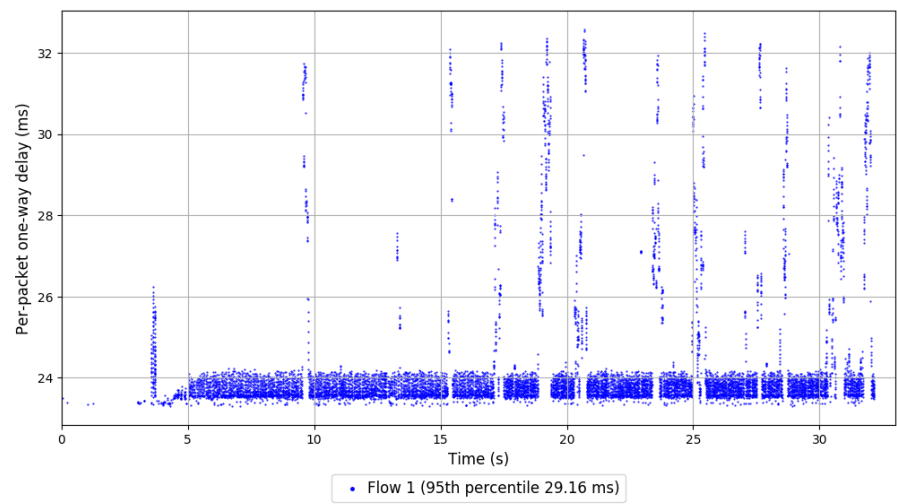
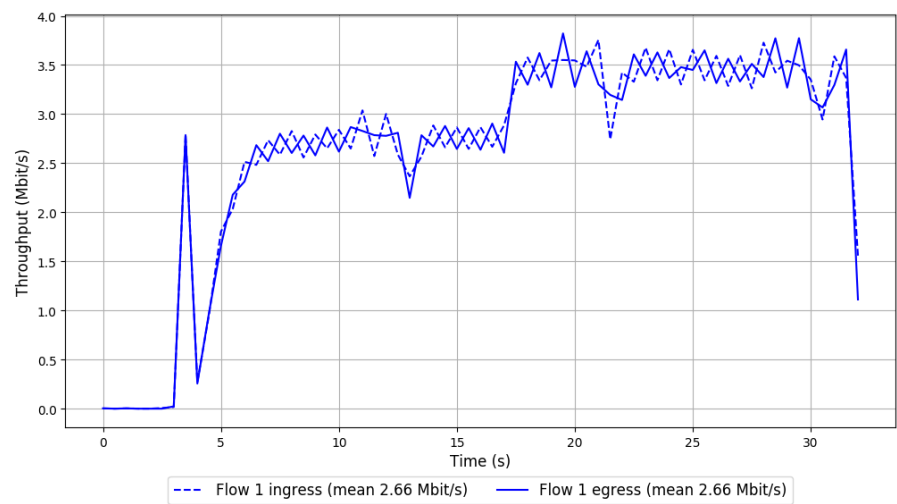
Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 29.158 ms

Loss rate: 0.43%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-17 23:56:32

End at: 2017-09-17 23:57:02

Local clock offset: 0.63 ms

Remote clock offset: 0.571 ms

# Below is generated by plot.py at 2017-09-18 05:27:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 28.579 ms

Loss rate: 0.42%

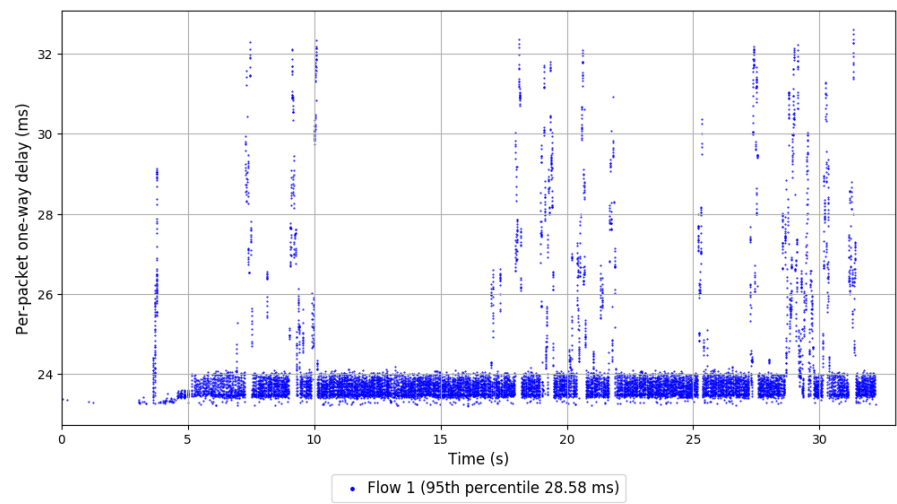
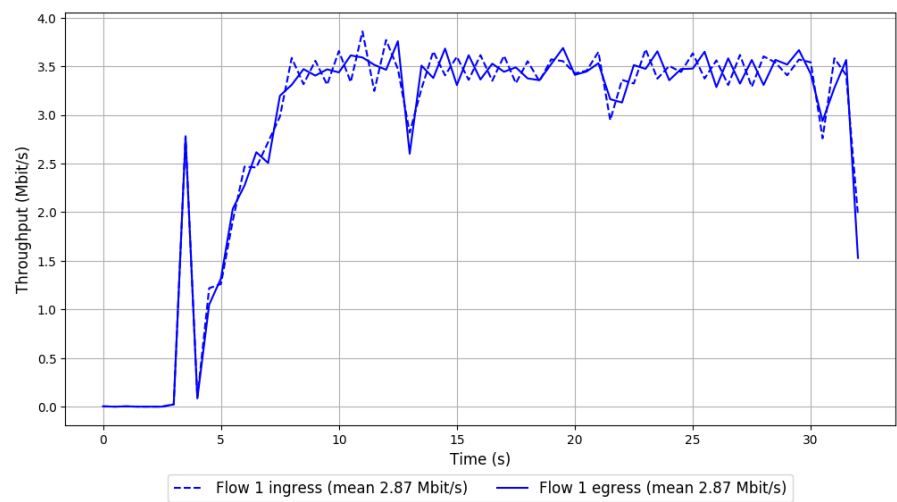
-- Flow 1:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 28.579 ms

Loss rate: 0.42%

Run 6: Report of WebRTC media — Data Link

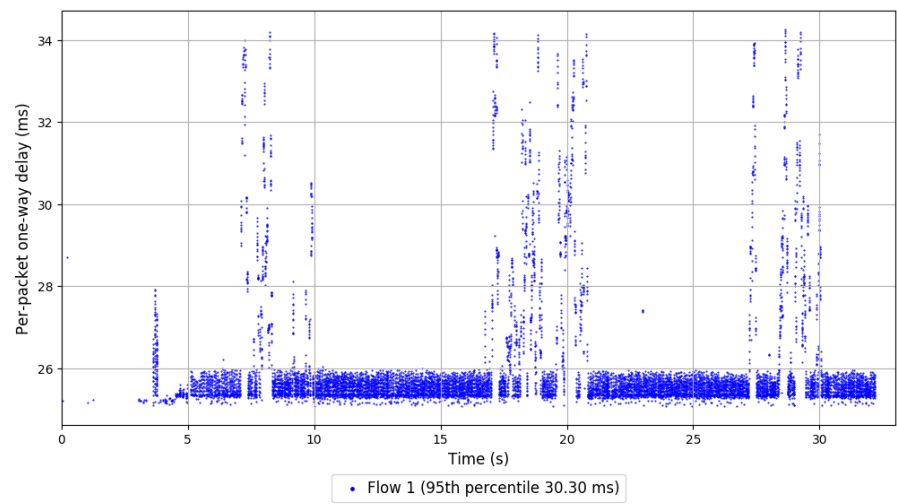
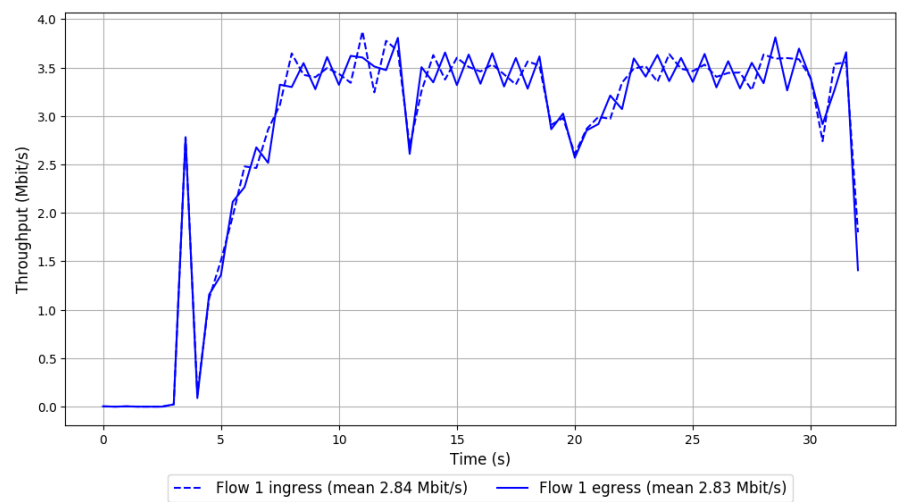


Run 7: Statistics of WebRTC media

Start at: 2017-09-18 00:16:52  
End at: 2017-09-18 00:17:22  
Local clock offset: 0.438 ms  
Remote clock offset: -1.673 ms

# Below is generated by plot.py at 2017-09-18 05:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.83 Mbit/s  
95th percentile per-packet one-way delay: 30.298 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 2.83 Mbit/s  
95th percentile per-packet one-way delay: 30.298 ms  
Loss rate: 0.57%

Run 7: Report of WebRTC media — Data Link

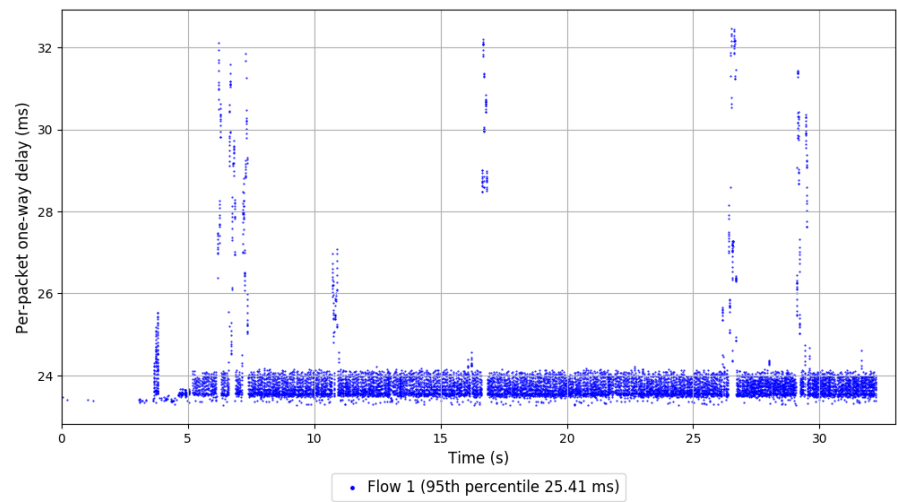
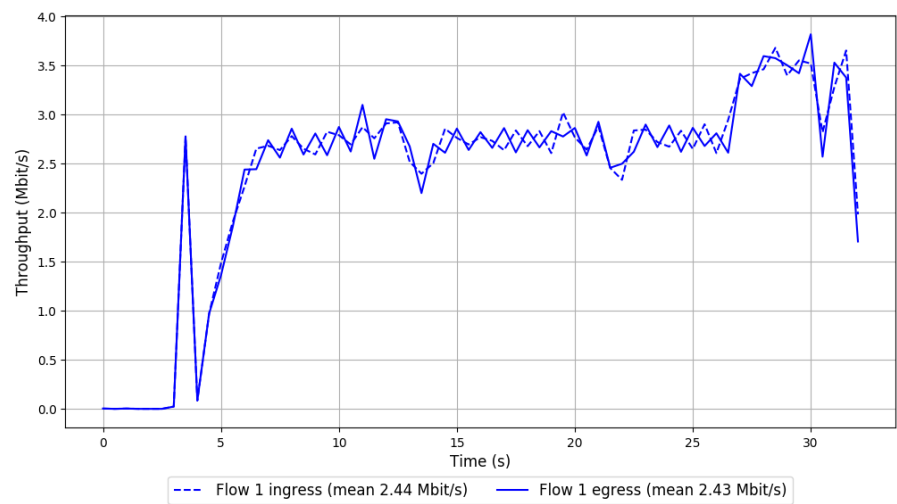


Run 8: Statistics of WebRTC media

Start at: 2017-09-18 00:37:05  
End at: 2017-09-18 00:37:35  
Local clock offset: 0.726 ms  
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2017-09-18 05:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.43 Mbit/s  
95th percentile per-packet one-way delay: 25.406 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 2.43 Mbit/s  
95th percentile per-packet one-way delay: 25.406 ms  
Loss rate: 0.44%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-09-18 00:57:29

End at: 2017-09-18 00:57:59

Local clock offset: 0.868 ms

Remote clock offset: 0.399 ms

# Below is generated by plot.py at 2017-09-18 05:27:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 27.468 ms

Loss rate: 0.34%

-- Flow 1:

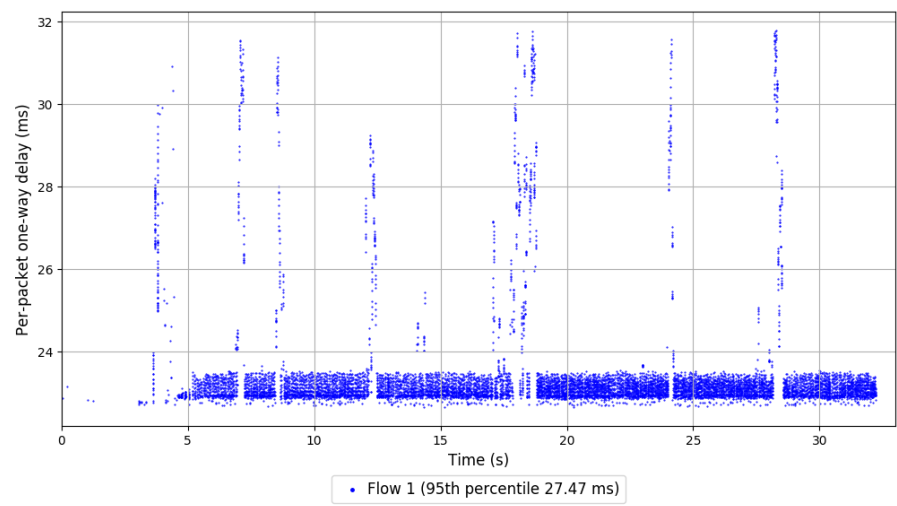
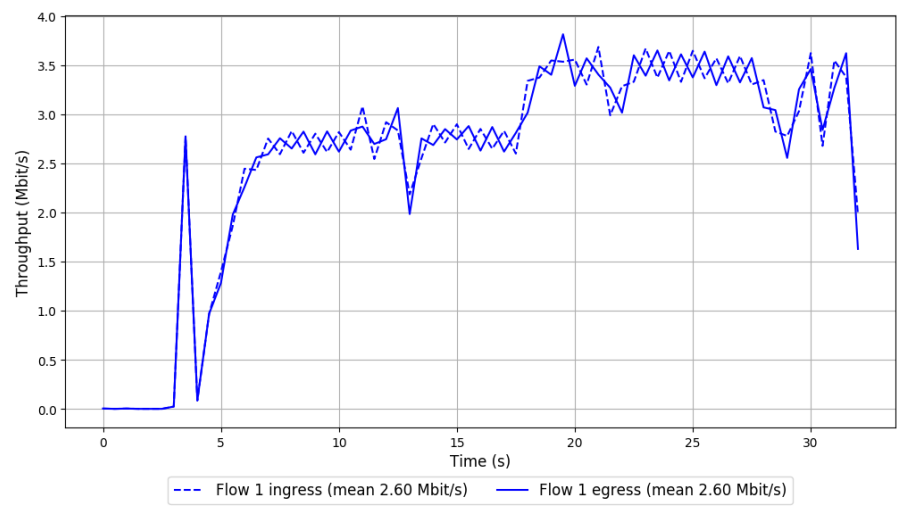
Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 27.468 ms

Loss rate: 0.34%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-18 01:18:16

End at: 2017-09-18 01:18:46

Local clock offset: 0.689 ms

Remote clock offset: 0.346 ms

# Below is generated by plot.py at 2017-09-18 05:27:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 28.089 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 28.089 ms

Loss rate: 0.38%

Run 10: Report of WebRTC media — Data Link

